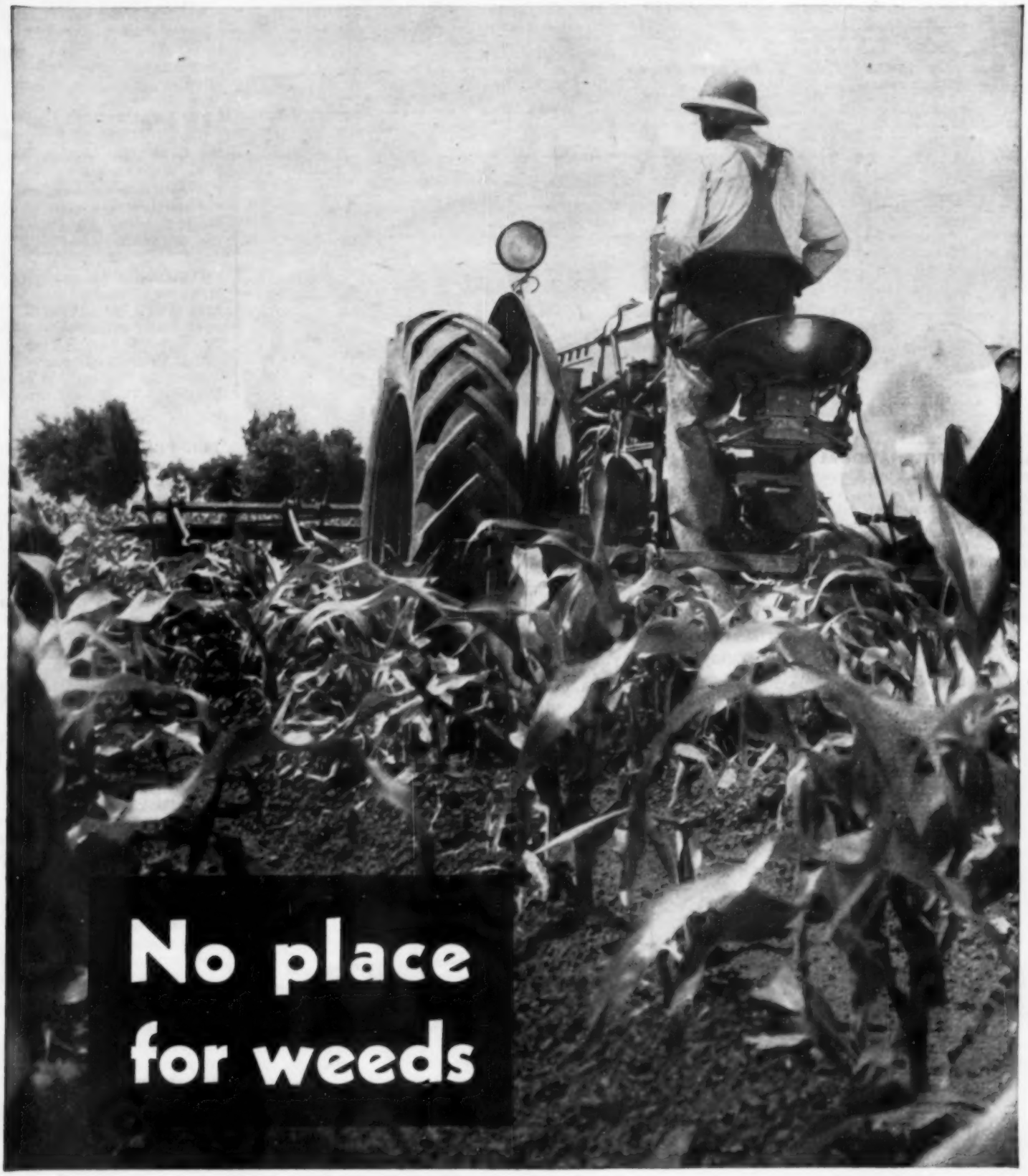
WALLACES' FARMER
and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

JUNE 4, 1955



It's corn cultivating time on the Macon county, Illinois, farm operated by J. A. Cook.

Get more feed from oats 14

To help dairy income . . 27

Hubby builds furniture . 33

Strip grazing—more feed 45

ALL TRUCK

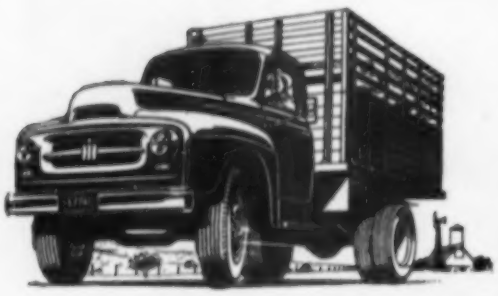
to cut costs on All Farms

There is an INTERNATIONAL pickup for every pickup truck use. Eleven models—all available with automatic transmission, power steering. New ONE HUNDRED, easiest-to-drive in lowest-priced field, also offers tubeless tires, standard—optional overdrive transmission.

Farmers who use INTERNATIONAL trucks rate them high in operating and maintenance economy.

The reason is that INTERNATIONALS are built to take the rough, rugged going of farm work. They are built by *specialists* in mechanized farm equipment. And they are *all-truck, husky and tough*, with no automobile parts or design compromises . . . anywhere.

INTERNATIONALS give you extra stamina, plus outstanding performance, easy handling, comfort and convenience. If you are in the market for a new farm truck, visit your nearby INTERNATIONAL Dealer or Branch and learn all the reasons why an INTERNATIONAL is your best truck buy.



All-truck medium-duty INTERNATIONALS with combination stock rack and grain bodies cut costs on a variety of farm jobs. Choice of two high-economy engines. Power steering optional.

For ranchers and other big-acreage operators, INTERNATIONAL four-wheel-drive models provide money-saving stamina. Eight speeds forward, two reverse, permit operation almost anywhere.

International Harvester Builds McCORMICK® Farm Equipment and FARMALL® Tractors...Motor Trucks...Industrial Power...Refrigerators and Freezers

Watch "The Halls of Ivy," with Ronald Colman and Benita Hume, CBS-TV, Tuesdays, 8:30 p.m., EST

INTERNATIONAL TRUCKS

Standard of the Highway

Tips For June

Here are some timely suggestions for this busy month by Francis A. Kutish, Iowa State College farm economist.

ELECTRIC FENCES work fine. But be sure to keep the fence rows free from short circuit. Grass and weeds grow fast in June. They can short circuit your electric fence before you know it.

▼ ▼ ▼

CHECK GRAIN bins for repairs needed. Clean and get ready for small grain harvest.

▼ ▼ ▼

BE SURE your livestock has adequate shade, water and salt. Hogs do better when the shade and water are close together.

▼ ▼ ▼

CONSIDER stacking your first cutting of alfalfa-brome in the field. You'll cut out hauling hay next winter when the weather is favorable for field feeding. Raymond Fischer, Greene county, Iowa, likes this method of feeding hay. Takes less time now too.

▼ ▼ ▼

EGG PRICES should be favorable early this fall. Instead of selling those old hens this summer, why not put them in the machine shed or hog house? But cull them first. They should pay for their keep until into the cold weather this fall.

▼ ▼ ▼

BUT YOU CAN'T AFFORD to keep those loafing hens around. Culling once a month is important at this time of year. Culling once a month will save one ton of feed per 100 birds annually, say Iowa State College poultrymen.

▼ ▼ ▼

IF YOU SHELL out corn this summer, put the cobs in the low spots in your barn lots. Kenneth Fankhouser, Story county, Iowa, does this regularly. Then he hauls the cobs out to the field in the spring for manure, replacing with fresh cobs.

▼ ▼ ▼

A SMALL AMOUNT of grain fed in the barn will shorten the time needed to get the cows up for milking on busy summer days, says a Chickasaw county, Iowa farmer.

▼ ▼ ▼

IF YOUR YOUNG chicks are still up around the buildings, move them out to clean pasture. Pull the shelter near a corn field. It will give the chicks protection they need from the hot summer sun.

▼ ▼ ▼

TRY TO GET YOUR native lambs sold as soon as possible. Lamb prices usually go down during the summer.

▼ ▼ ▼

FRESH WATER is not important for your chicks, but a constant supply is, say successful poultrymen. A barrel or tank of water supplied with automatic control makes watering the chicks on range a weekly chore instead of a two or three times-a-day chore.

Kill Insect Pests EASY and QUICK with STANDARD SPRAYS

STANDARD Agricultural Sprays are made of only the finest materials. On-farm tests plus rigid quality control in Standard's research laboratories assure potency and uniformity at all times. You get sprays that give positive control of insect pests, weeds and brush at the lowest possible cost—sprays that are easy to mix and use to make your farming easier and more profitable.

Safe for use on dairy animals. STANDARD Stock Spray with Methoxychlor kills flies and mosquitoes on contact—repels insects, too. It's ready to use, just as it comes from the container.

Gives effective, economical control of many crop and livestock insect pests. Use STANDARD 25% DDT Concentrate to control corn borer and potato insects. Kills flies, mosquitoes and other insects on shrubs and lawns and around porches and barns, too. Mix with water—use in any farm sprayer. Safe for crop plants.

Made especially for use in milkhouses, dairy barns, dairies, grain mills and wherever food is handled. Contains pyrethrins (no DDT) for fast knockdown and safety. Kills flying insects like flies, mosquitoes, and moths. Kills crawling insects, too, when sprayed directly on them.

A highly effective killer of grasshoppers, army worms, cut worms, spittle bugs, and many other insects. STANDARD Toxaphene Concentrate contains 6 pounds of Toxaphene in each gallon of Concentrate. Mixes readily in oil or water for use in any spraying equipment—use in bait mixtures, too.

Kill Weeds and Brush Easy, at Low Cost —Order STANDARD Sprays, Now!

STANDARD 2,4-D Weed Killers come in 3 types:
No. 2—Amine Concentrate (4 lbs. of 2,4-D per gal.) Mix with water.
No. 3E—Mixed Ester Concentrate (6 lbs. of 2,4-D per gal.) Mix with oil or water.
No. 5—Mixed Ester Concentrate (4 lbs. of 2,4-D per gal.) Mix with oil or water.

Kill brush, roots and all—reclaim acres for profitable use. STANDARD Brush Killer can be used any time of the year. For dormant spraying—mix with oil. For foliage—mix with water. Contains the low volatile esters of 2,4-D and 2,4,5-T. Potent, effective—will not harm farm animals or desirable grasses.

You Pay No More For STANDARD DOORSTEP DELIVERY

No last minute hurrying to town for sprays. Just phone your order to your Standard Oil Agent. It will be delivered right to your doorstep—you pay nothing extra for this convenient service. So order, today! Be all ready to knock off profit-stealing insect pests, weeds and brush before they gang up on you!

You expect more from STANDARD and get it!

QUALITY PRODUCTS • FRIENDLY SERVICE • DEPENDABLE DELIVERY

WALLACES' FARMER AND IOWA HOMESTEAD, June 4, 1955 (Vol. 80, No. 11). Published first and third Saturdays of each month by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, one year for one dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1955, by the James M. Pierce Corporation.

"LOW COST... BETTER HEATING
With COLONIAL FURNACE

"Our experience with Green Colonial furnaces has been very satisfactory," says Mr. Glen S. Hill (pictured below), a farmer at Dixon, Illinois. "What we like about this wonderful furnace is its economy, trouble-free service and above all its long life."

At right is the Counter-Flo furnace for smaller homes. Just one of the many Green Colonial furnace models.

The family home was heated with a Green Colonial coal-fired furnace until four years ago when the Hills switched to a Colonial oil-fired furnace. Then two years ago, Mr. Samuel Hill (Glen's father) built a new home and because of his previous satisfactory experience, chose a Green Colonial Oil fired winter air conditioner.

Before you buy a furnace, find out about the many advantages of a Green Colonial enjoyed by the Hill family. Such features as:

- **FUEL SAVINGS UP TO 25%**
- **HEAVIER CONSTRUCTION, GIVING UP TO 12 EXTRA YEARS OF SERVICE**
- **TAILORED TO FIT INSTALLATION, FOR CLEAN, EVEN HEAT IN EVERY ROOM**

See your local Green Colonial dealer or write for new illustrated literature.

Convenient Payment Plans

INSTALL NOW—PAY LATER

GREEN COLONIAL HEATING & COOLING

GREEN COLONIAL FURNACE COMPANY DES MOINES, IOWA

Sahara has dunes like this, but the picture was taken in our own dust bowl. Secretary Ezra Taft Benson is shown in this USDA photo.

INSIDE STUFF

BEFORE YOU begin shaking your head over the poor dust-bowl, note how many tons of dirt were washed down the hill-side on your own farm during the last rain.

WE USUALLY get plenty of rain, if we have sense enough to see that it has a chance to soak in the ground.

NOT ALWAYS, I admit. I remember 1934 and 1936 too. And there were spots last summer where rain just refused to fall.

THE DUST-BOWL should be put down to grass and left that way. Rainy spell and a war made us plow it up last time. Let's use more sense now.

MORE FARMERS are putting in phones and paying higher phone bills. Is service getting any better?

AVERAGE BILL in the western Corn Belt per month is running around $3.23 for local calls and a dollar more for long distance. Pacific Coast farmers average three dollars a month for long distance calls.

I FOUND another long-time reader of Wallaces' Farmer and Iowa Homestead in Polk county, Iowa. Alton W. Mally's folks came into the state early. He remembers looking at the pictures in the Iowa Homestead when he was a small boy. Since Mr. Mally was born in 1881, this makes him a reader—or a viewer—for 68 or 69 years.

WHAT KIND of folks don't vote? The Wallace-Homestead Poll checked up recently. In last fall's election, women were more inclined to stay home than men. Of the age groups, the young folks made the poorest record. Farm Bureau members turned out better than non-members.

PAUL SMITH of Jones county, Iowa, tells me he's about decided that winter pigs are easier to raise than spring pigs if you have the right equipment. Less mud, no competition from field work.

"MARKET PRICE often gives farmers bad advice on what to do next." That was Dr. T. W. Schultz's remark when I talked to him the other day.

FARMERS KNOW this well. A high price for hogs at breeding time may mean a low price for hogs 10 or 12 months later.

HOW MANY BOOKS do your children read each year? How many books do they see you read?

ALLAN KLINE, so Charles Shuman of the AFBF tells me, is in much better health than when he resigned as president of the Farm Bureau. But he'll have to take things easy for a good while.

THE COLD WAR seems to be easing off a little. This new four-power conference may not settle anything, but talking is better than shooting anyway.

—DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
"GOOD FARMING, CLEAR THINKING, RIGHT LIVING"
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Entered as second-class matter, October 19, 1929, at the post office at Des Moines, Iowa, under the act of March 3, 1879.

You do more, make more with . . .

20% MORE POWER ON THE COST-CUTTING UNI-FARMOR

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1. **20% MORE POWER!** Powerful new V-4 engine with stepped up compression gives you a big boost in work capacity.
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3. **NEW UNI-V DRIVE!** Combines the strength and simplicity of flat belts with the speed and grip of V-belts.
4. **UNI-MATIC HYDRAULIC CONTROL!** Finger-tip hydraulic control for all mounted Uni-Farmer machines.

PLUS . . . variable-speed drive, standard or low profile tires, available crawler tracks for Uni-Harvestor, full self-propelled visibility, and quick, easy mounting and dismounting of Uni-Farmer machines.

New Uni-Tractor power steps up work capacity of every machine in the Uni-Farming system. Easy, 20-minute changeovers make you self-propelled in every crop. You chop hay or row crops with the Uni-Foragor, cut hay or grain with the Uni-Windrower, harvest grain, bean and seed crops with the Uni-Harvestor, husk corn with the world champion Uni-Huskor, or pick *and* shell corn with the Uni-Picker-Sheller. Every crop pays better when you Uni-Farm!

How much does this self-propelled farming system cost? Far less than pull-behind machines! You buy the Uni-Tractor and 3 Uni-Machines for as much as $1500 less than the tractor and pull-behind machines you'd need to do the same jobs.

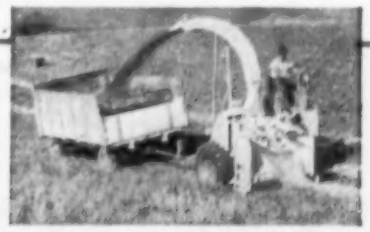
Before you spend a cent for another farm machine, get the facts on the MM Uni-Farmor. Ask your MM Dealer to show you how Uni-Farming pays . . . as no other farming system can!

MINNEAPOLIS-MOLINE Minneapolis 1, Minnesota

Nothing pays like the Uni-Farmor on average size farms!

UNI-HARVESTOR
MM Harvestor performance with self-propelled Uni-Farmor capacity.

UNI-HUSKOR
Placed 1st, 2nd, and 3rd in 1954 Int'l Corn Picking Contest.



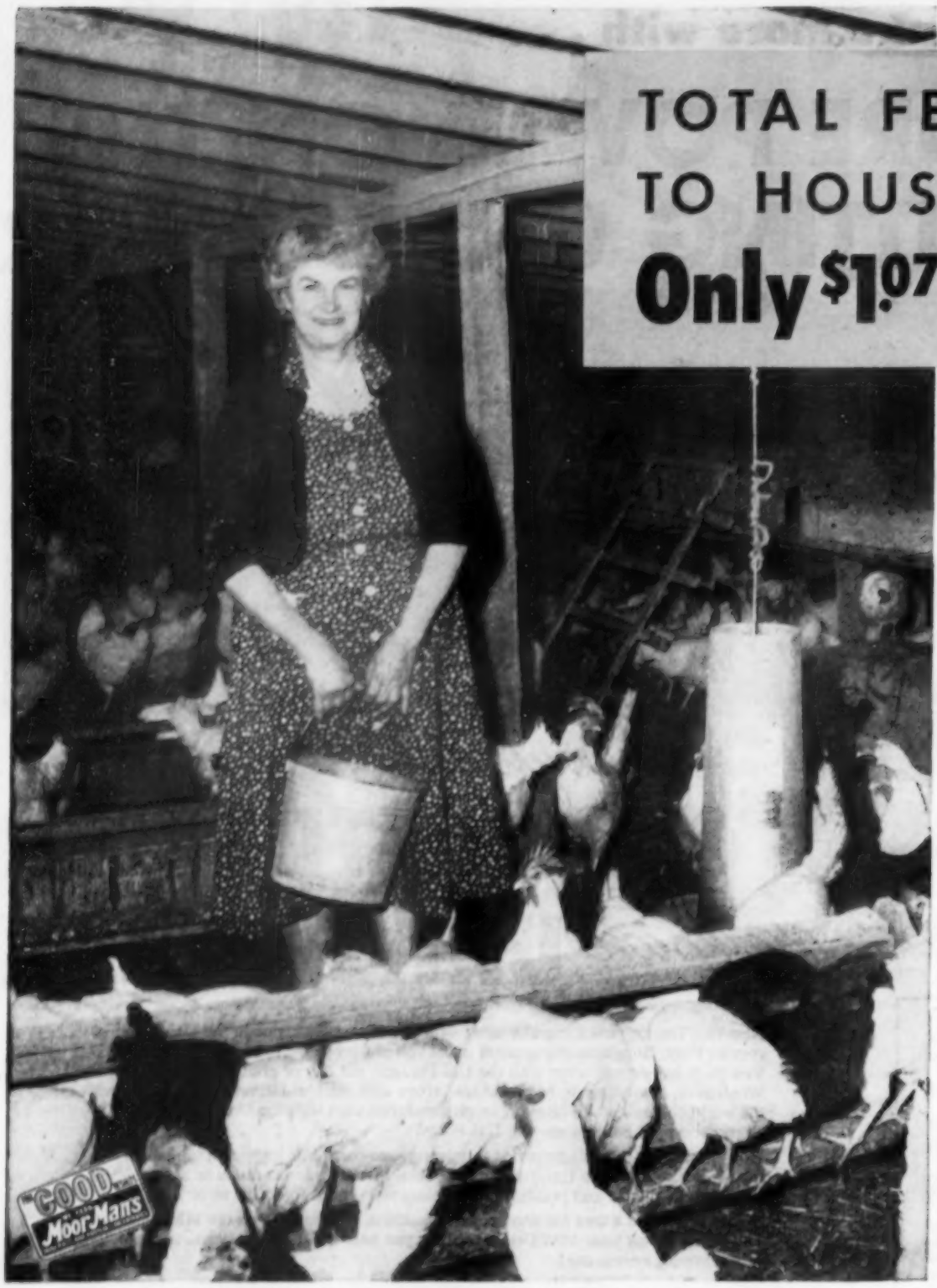
UNI-FORAGOR
Self-propelled chopper for all your forage crops.

UNI-WINDROWER
Takes a fast, 10-foot swath in hay or grain crops.

UNI-PICKER-SHELLER
Picks and shells corn with up to 30% moisture content.

TOTAL FEED COST TO HOUSING TIME

Only $1.07 Per Bird



Here's a breakdown of Mrs. Linke's feed cost for the week her flock was 6 months old and laying at an 83% rate: 120 lbs. corn @ 3c . . 7 bu. oats @ 83c . . . 73 lbs. MoorMan's Mintrate Super 5 @ 8.6c . . . a total feed cost of $15.68 to produce $34.10 worth of pullet eggs.

"I've been raising chickens and keeping a laying flock for 45 years . . . and I've found that MoorMan Mintrates* are the most economical feeds I've ever used"—says Mrs. Hardin Linke, Bartholomew Co., Indiana. "My Mintrate-fed chickens produce more eggs and the MoorMan Method is the simplest I've ever tried.

"Last year my feed cost of raising 325 Leghorn pullets from February 15 to August 1—when I housed them at 5½ months of age—came to a total of $1.07 per bird. During this time I bought all my grain. My corn averaged $1.68 a bushel and oats averaged 83c.

"My chicks were started according to my MoorMan Man's recommendation . . . on a ration of 2 parts ground corn to 1 part MoorMan's CoxiCurb* Mintrate for Chicks. At 14 weeks we switched to MoorMan's Mintrate Super 5* for Poultry. I fed Super 5 and oats free choice with hand fed shelled corn in the evening.

"August 1, we housed 285 pullets. Two weeks later—the week they were 6 months old—they laid 138 dozen eggs . . . that's an 83% rate . . . And my total feed cost for the week was only $15.68 . . . less than 12c per dozen.

"You can see from these figures why I am enthusiastic about MoorMan's and why we feed MoorMan Mintrates to our 124 hogs and 22 Guernsey cows as well as our chickens."

MoorMan CoxiCurb Chick and Poultry Mintrates are highly concentrated blends of minerals, proteins and vitamins developed especially for poultry. Thousands of poultry raisers, like Mrs. Linke, tell us that no other starter and grower so effectively brings out the growth-making, egg-making power of their own grain and range.

Ask your MoorMan Man how a small amount of Mintrate will build three or four times as much corn into a high-energy, power-packed growth-producing ration. Then prove to yourself how this Mintrate ration builds thrifty, well-developed birds that you can house earlier—and that get into high production when egg prices are best. If no MoorMan Man calls soon, write Moorman Mfg. Co., Dept. S56, Quincy, Ill. for detailed information.

Hardin Linke and Kenneth Rednour feed 22 Guernsey cows and about 200 hogs each year in partnership. Since they switched to MoorMan's Mintrate for Dairy Cows, they feed only half as much purchased feed as they did before and the same amount of grain and hay. They state that milk production holds up better now than ever before.

Both Mr. Linke and Mr. Rednour believe it's easier to feed Mintrate than any other feed they've ever used . . . and Mintrate saves them a lot of corn. The pigs are started on MoorMan's Creep Concentrate Pellets and, at about 6 weeks, switched to a mixture of Pig Mintrate and MoorMan's A-V Supplement self-fed with ear corn.

MoorMan's*

Since 1885—70 Years of Friendly Service

MINTRATES, MINERALS

and

Parasite Control Products

*Trademark Reg. U. S. Pat. Off.

Research Points

CHOPPED HAY can be cured in the mow more efficiently than long or baled hay. That's according to Maryland Experiment Station tests. The chopped hay took less labor and made higher quality feed. It made more efficient use of storage space, too.

THE Rural Electrification Administration was 20 years old last month. In 1935, about one farm in 10 had electric service from a central station. Now, only one farm in 10 does not have it.

LAST YEAR, 25½ billion pounds of red meat were produced. That's almost 20 percent more than was produced only five years ago.

WHAT'S IT COST to keep a bull? Michigan State College tests showed average annual cost at $269. So for 10 cows, it costs you $26.90 per cow. If you have 30 cows, cost per cow drops to $8.97.

COMMON SUGAR fed to cattle before slaughter brought fast gains and higher carcass yields. More than enough to pay for the sugar. Livers from the sugar-fed animals were heavier. These livers were more tender and had better flavor, too.

WHEN a cow is producing 25 pounds or more milk a day, she can't eat enough pasture to maintain her weight and produce the milk, too. So heavy producing cows need grain—even while on pasture.

SPECIAL flushing bar attachment for your mower lets you cut hay without killing or injuring nesting hen pheasants.

DEWFALL, wind, humidity and rainfall affect the daily movements of pheasants. More birds stay out in the open when the vegetative cover is wet. And they stay in the open longer. That's why more birds are seen shortly after sunrise than later in the day.

VERNAL ALFALFA outyielded Ranger, Buffalo, Atlantic, Grimm and Kansas Common by an average of 12 percent. That's for four years of testing at Iowa State College. Several experimental strains produced still higher yields.

"Well, I see the last strand of wire on the pasture fence has finally broken."

Livestock Parasites Cost Farmers One Billion Dollars A Year *SAYS THE USDA*

$404,730,000 of these huge losses come from internal parasites that can't be seen—the balance from external parasites such as stable and horn flies, grubs, lice and mites and other poultry insects.

By keeping livestock and poultry clean inside and out they will convert more of their feed into meat, milk and eggs. This means better utilization of feed and more profit for the feeder.

Prevention and control is relatively simple with these MoorMan Products:

E-Z-Ex* Large Roundworm Expeller—for farm mixing. Contains sodium fluoride, an antibiotic, a gentle laxative and blood building minerals. Proved better than 95% effective and safe on 75 million hogs.

Easy-Way* Large Roundworm Expeller—a complete factory-mixed protein and carbohydrate body-building ration. Costs little, if any, more than regular growing ration. No mixing is necessary. Hogs usually gain while being wormed. **MoorMaFume***—for controlling sarcoptic mange or lice on hogs. Can be made into a spray or sprinkled in bedding or all places where hogs sleep. **Triple X**—when used in dry form aids in loosening mucus accumulations in upper respiratory tracts. Also an effective disinfectant when applied as a paint—dries to a snowy white. **Fly Spray**—an unusually effective spray containing Methoxychlor, which helps it produce a high kill. **MoorMaCide***—an effective treatment for sarcoptic mange and lice on hogs. A gallon of MoorMaCide will treat 20 fifty-pound pigs. Has great penetrating power.

Insecticide Concentrate — because it contains both DDT and Methoxychlor, it controls both DDT-resistant and non-resistant flies. Can be applied by dipping, spraying or self-application. **Triple X**—when mixed with water makes a white disinfectant paint which improves sanitation in livestock quarters. Can be applied with either spray or brush. **MoorMaFume**—is effective in controlling lice, ticks and sarcoptic mange on cattle. Also recommended for spraying on manure piles for control of fly breeding areas. Can be used as a dip, or sprayed. **Fly Spray**—an unusually effective spray for control of flies in dairy barns because it contains Methoxychlor—BUT NO DDT. Has effective repellent value and produces a high kill.

Poultry E-Z-Ex—a convenient feed treatment for expelling large roundworms from poultry—eliminates catching and individual dosing. Scientific tests have proved E-Z-Ex over 95% efficient against large roundworms in poultry. **Drinking Water Tablets**—help prevent spread of disease and infection by sanitizing drinking water. Dissolved in water, can also be used to sanitize troughs, brooder houses and other poultry equipment. Highly effective—low in cost. **MoorMaFume**—normally kills both lice and lice eggs with a single application. Is easy to use—simply sprinkle or spray—comes in handy shaker type cans as well as cartons. **Triple X**—when mixed with water produces a white disinfectant paint. It not only improves appearance of house but also serves as an effective aid in control of red mites. **Fly Spray**—an unusually effective spray for controlling stable and house flies. Contains Methoxychlor to help produce high kill. **MoorMaCide**—for use in controlling scaly leg in poultry. Only feet and shanks of birds need be dipped. Exceptionally effective.

Min-O-Phene*—a complete mineral feed for sheep and goats with phenothiazine added for aid in control of stomach and nodular worms. Not necessary to catch sheep as can be self fed. Comes in granular form or in 50-lb. blocks. Constant action helps keep pastures from becoming infested. **MoorMaFume**—is used with great effectiveness for the control of ticks (keds) and scab mites (scabies) on sheep and goats. Contains Benzene Hexachloride. Comes in shaker-type containers—in cartons or in pails. Can also be mixed with water and used as a spray. **Insecticide Concentrate**—a 30% concentrate to be diluted with water to aid in the control of lice and ticks—does not wash off easily.

New All Purpose Household Insect Killer—KILLS! all 3 types of common household insect pests—1. Flies and other flying insects . . . mosquitoes, gnats, wasps, hornets and flying moths. 2. Ants, roaches and other crawling insects . . . spiders, fleas, silverfish, crickets, brown dog ticks and bedbugs. 3. Clothes moths . . . as well as carpet beetles. *More effective* than ordinary aerosol fly sprays because of combination of DDT *and* Methoxychlor. Killing power lasts longer—remains active in air for *1 hour* or longer in closed up, draft-free rooms. Tests by an important testing laboratory show performance far about regular standards. Safe, clean-smelling. *Comes in handy aerosol dispenser*—$1.15 per can—enough to spray a 10x12 ft. room for flies once a day for 2 months.

Ask Your MoorMan Man about any or all of these laboratory controlled MoorMan Products for the control of internal or external parasites. Or, if a MoorMan Man doesn't call soon, write for detailed information to Moorman Mfg. Co., Dept. S56, Quincy, Ill.

MoorMan's*
Since 1885—70 Years of Friendly Service
MINTRATES, MINERALS and Parasite Control Products
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be your

own rainmaker

In France some years ago an enterprising individual attached sticks of dynamite to a balloon which he sent into the sky. Upon reaching the clouds, the dynamite was detonated with the hope that the force of the explosion would produce rain. Needless to say, the experiment proved a failure unless, of course, nature already intended rain to fall.

Today with a modern Mathieson Portable Sprinkler Irrigation System, you can be your own rainmaker. It is a fact that even in so-called normal years, yields can be increased with the application of sufficient moisture during the critical growth periods. See your Mathieson irrigation dealer for a complete sprinkler irrigation system engineered to meet your requirements.

Check these important Mathieson features . . .

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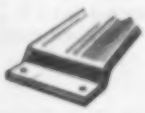
Positive Lock Coupler



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LITTLE ROCK, ARKANSAS

What supports for 1955?

Supports still high on some products, but the market price has been dropping anyway

Are farm products being priced under the old farm law or the new one? Can farmers get ACP checks without complying with acreage allotments? Is a new farm bill likely to pass? These and other questions in the news are discussed by the editor.

ARE FARMERS operating under the old farm law or the new one? Do we still have high, fixed supports or are we under lower, flexible supports?

Secretary Benson and his supporters are asserting that the declines in farm prices have come while the old high support law was in force.

Actually, farm product prices are now partly under the old law, partly under the new, partly affected by neither.

Hogs and eggs, for instance, have no supports, except those furnished indirectly thru feed loans.

Dairy products were cut to support levels of 75 percent of parity a year ago.

Barley supports have been cut to 70 percent for the 1955 crop, and surplus barley will be sold by USDA after July 1 at the new and lower rate.

Oat and soybean supports for 1955 have been cut to 70 percent. Flaxseed is down to 65 percent. The market has been affected by anticipation of these lower supports.

Corn, with supports down only to 87 percent for 1955, is being pushed lower because of heavy sales of government corn at low prices and because of anticipated heavy feed grain production this year. U. S. average price for corn in April was 75 percent of parity.

So flexible supports, altho not fully in effect until 1955 crops are harvested, are having an influence on farm prices now.

But over half of the products that make up farm income are not affected by either flexible or fixed supports. Neither the old nor the new law touches them.

* * * *

Is there any chance of pushing milk sales thru government action?

Not much. Howard P. Davis, of USDA, said the other day that the special school milk program would only use up $15 million of the funds appropriated.

He claimed that a food stamp program would be hard to administer, but talked about the possibility of experimenting with a stamp program confined to fluid milk.

* * * *

Can a farmer get ACP help on soil conservation without complying with acreage allotments?

Yes. President Eisenhower signed an amendment to the law providing that a farmer did not have to limit acreage on major crops in order to get an ACP check.

There is no check whatever now on diverted acres. Many acres taken out of wheat, cotton and corn will go into feed crops.

Only dry weather will prevent a big supply of cheap feed this fall.

* * * *

What help will farm young people get in training for farm or town jobs?

More than last year. The Farm Bureau is asking for three million dollars to be added to the $23.6 million already recommended for vocational education. The federal government makes grants to states for such educational work.

Farm Bureau officials urge that farm young people be given a chance to get training for either farm or non-farm jobs. A Bureau statement said:

"Many rural young people in choosing their occupations will make choices which take them away from the farms and communities where they have grown up. Their preparation for an occupation in other fields is important, both to them as individuals and to the welfare of the country."

* * * *

Will interest on loans to distressed farmers in drouth districts be cut from five to three percent?

Probably. Congress is likely to pass legislation overruling Secretary Benson's increase to five percent.

The Grange has been pushing for this cut. The Grange says, "Our main concern is that the program be adequate to enable farmers to live thru this calamity of nature with the least possible suffering . . . to maintain their agricultural plant — including livestock — at reasonably full readiness for productive use when rainfall returns to normal."

* * * *

What are the chances for a new farm bill being passed this year?

Not good. The house passed a 90 percent support bill for basics, but the senate committee on agriculture is starting a series of hearings on all phases of farm legislation. Senator Ellender, chairman, indicates hearings may run for months, with possible visits of the committee to farm areas.

It may take until next winter for the senate committee to agree on a complete bill. This may then be introduced as a substitute for the whole Benson farm program and will be debated in early 1956.

If President Eisenhower vetoes such a farm bill, the Democrats want him to do it as near election as possible.

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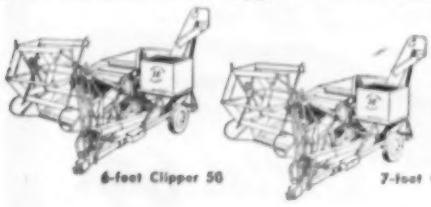

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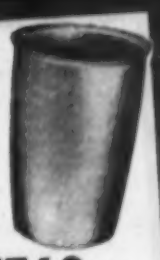

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Original sheepskin deeds are shown by Harry Dusenbery to his grandson, William. Deeds to the Washington county, Iowa, land were signed by President James K. Polk.

Gun held by Harry Dusenbery is more than 100 years old. Loom house behind Dusenbery and his grandson was built in 1849. It's used mainly for storage now.

Four generations and 109 years ago . . .

$1.25 land in Iowa

HARRY A. DUSENBERY of Washington county, Iowa, can sit in his porch office and bridge 100 years of progress almost in a glance.

A short turn of the head will bring into view the old loom house, the first field to be cleared and planted, the barn where the grain was once threshed by flails, and the modern machinery owned by the two sons who operate the farm.

The home place which he owns and occupies has been in the family since January 1, 1846, when William Dusenbery settled here.

"Good farm land was hard to come by back east when Grandfather wanted to settle down," says Dusenbery. "He left Ohio in the fall of 1845, lured by the promise of good farm land in Iowa at $1.25 an acre."

That fall William built a log cabin close to a creek, cleared some of the land, and then went back to Ohio for his wife, Elizabeth.

He loaded up a wagon with his few farm tools and his seed, the supplies he thought he would need until the crop came in, and set out with a team of oxen for their Iowa home.

1855 100 1955 YEARS of SERVICE To Farm Families
Centennial Issue August 20, 1955

The next spring he planted about nine acres to corn and wheat. He harvested the wheat and took it by sled to Burlington to the mill in the late fall. Part of it was brought back for family use, and the rest was sold and bartered for supplies. The following year, he had some frozen hog carcasses to transport for sale at the market there.

The log cabin that he had built was only a temporary home, since he had chosen the permanent site for his buildings further up the hill on more level ground. After he cleared off his farm land, he began to work on the buildings. The first barn was built of logs and housed the livestock.

In the late '40's, he built a two-room house, which is still standing. It wasn't used as a dwelling for too many years for with an increasing family, a larger home was needed. In 1852, the first part of the present house was erected.

The little building was converted into a loom house where all the spinning and weaving was done. Later on it became a wash house, and now is used principally for storage.

"They built houses to stand in those days," comments Dusenbery. "When we tried to wire this place for electricity, the electricians had a real job on their hands. They were always running into a heavy oak beam."

The barn was designed with a wide center driveway, which was used for flailing out the grain."

Not long after the barn was built, one of William's sons and a neighbor bought a threshing machine. The threshing floor was not used too much after that.

"Grandfather planted his corn by hand in rows about four feet apart in hills nearly three feet apart. In between the corn, he later planted pumpkins or beans or such," Dusenbery says.

"The ground was broken by the breaking plow, and then the oxen pulled a homemade drag over the field to prepare it further. I remember the old wooden drags made of logs with harrow teeth driven into them."

The pioneer farmer used all of his corn crop. When harvest time came, he cut and shocked the corn. The ear corn was later removed and the fodder fed to the cattle as needed.

"They used to hollow out the hog troughs from basswood logs in those days," Dusenbery says.

"Right now my two oldest boys farm the land. Their machinery is a far cry from the primitive tools that Grandfather used. I'd give a lot to see the look on grandfather's face if he could see the way things are done now, but then who knows but what my grandsons' farming methods might astonish me as much."

(As with many Iowa pioneer farm families, Wallaces' Farmer and Iowa Homestead has been a constant companion to Harry Dusenbery. "Sixty or 70 years or more," says Dusenbery. "As long as I can remember."—Editor.

Grandson William Dusenbery points out some of the mortise and tenon construction in the barn. Wooden pegs hold tenons in place. This barn was raised right after the Civil War.

Hot Water Helps

You used to get hot water for washing clothes by lighting a fire under an iron kettle outdoors. But it can be different nowadays.

Mrs. Ortwin Hollatz of Mitchell county, Iowa, finds washday easier with a new hot water heater and washing machine.

Editorials...

Haying In June

HAYMAKERS have a hard time in June, for rain falls about 10 days out of the 30 on the average.

Only three times in June can you expect a period of three days or longer for drying hay. That's shown by weather records of the last five years.

So how do you get the first crop of alfalfa and red clover cured? When do you start the mower? Haymakers have different methods.

There's the settled-weather group. They wait for the perfect June day. Then they start the mower. And of course they get crossed up frequently as three-day dry periods are scarce.

Other haymakers wait for rain clouds. Then they mow just before the rain or just as clouds break in the western sky. These haymakers get a running start on the dry period between rains.

And there are haymakers who say no one knows about the weather. They mow when hay is ready and when they see time ahead to put up hay. They get some good hay. And certain advantages in work management.

After considering June weather and the chances of haymaking success, you might get to thinking about grass silage or a hay dryer for June handling of legume crops. Haymaking is easier in later and drier months.

To vote on price of corn

If wheat referendum loses, cheaper wheat will hurt corn price

MOST corn farmers probably haven't paid much attention to the wheat referendum on June 25. Since they aren't raising wheat, what business is it of theirs?

It's their business because the wheat referendum can do a lot of damage to corn prices.

How is that? Look at the referendum for a moment. Wheat farmers will choose between two programs:

1. Acreage allotments, marketing quotas and a support price somewhere between $1.88 and $2.07. Secretary Benson hasn't announced the exact support price yet.
2. No marketing quotas and a support price of only $1.26 a bushel to those who stay within allotments.

Most wheat farmers don't like either choice. The cut in wheat acreage is heavy. Marketing quotas are a nuisance. And the support price is probably going down—somewhere between 75 percent and 82.5 percent of parity.

TO MANY farmers, it would seem more sensible to take a lot of marginal wheat land out of production, put it in grass and leave it there. And to give supports at different levels to different kinds of wheat. Plus a moderate acreage cut.

Either choice offered in the referendum has disadvantages. If farmers vote for marketing quotas, they are taking a big slash in acreage and limiting income in that way. If they vote against quotas and plant more wheat, the price will go down sharply.

But what has all this to do with corn?

Figure what will happen if the wheat program is voted down. Unless two-thirds of the wheat farmers vote "Yes," there will be no effective supports for 1956 wheat.

Will the market pay $1.30 or $1.40 for wheat if the government stops wheat loans? Nobody can be sure. But it is certain that wheat prices will drop sharply.

If wheat drops to the $1.40 level, it will compete directly with corn. Poultrymen in the east will use wheat instead of corn. In many sections where wheat is grown and corn isn't, corn won't be shipped in. Wheat will be substituted as livestock feed.

Even in the Corn Belt, a lot of wheat would be fed. And every bushel of wheat fed would compete directly with corn and other feed grains.

Worse things might follow. Cheap feed means cheap livestock. With cheap wheat added to the volume of cheap grain sorghum, oats and barley already on the way, we would have a feed surplus ready to be turned into a surplus of dairy products, poultry and eggs, hogs and beef cattle.

WHAT to do? Wallaces' Farmer and Iowa Homestead urges that every farmer who has over 15 acres in wheat and is therefore entitled to vote should vote "Yes" on June 25. If you don't have any wheat and if your neighbor has, talk to him about voting.

The wheat program ought to be revised. There's no question about that. But throwing it out the window by voting "No" won't help anybody.

Fall Pig Prospects

WE'LL ALL KNOW more about fall pig prospects in a short time when the June pig survey is reported. Right now, all the dopesters think the fall pig crop this year will show an increase over last year.

Why? Don't farmers know that there are too many pigs for a strong market? Sure they do. But some are gambling that feed will be so cheap this fall they can afford to raise more pigs even at lower prices.

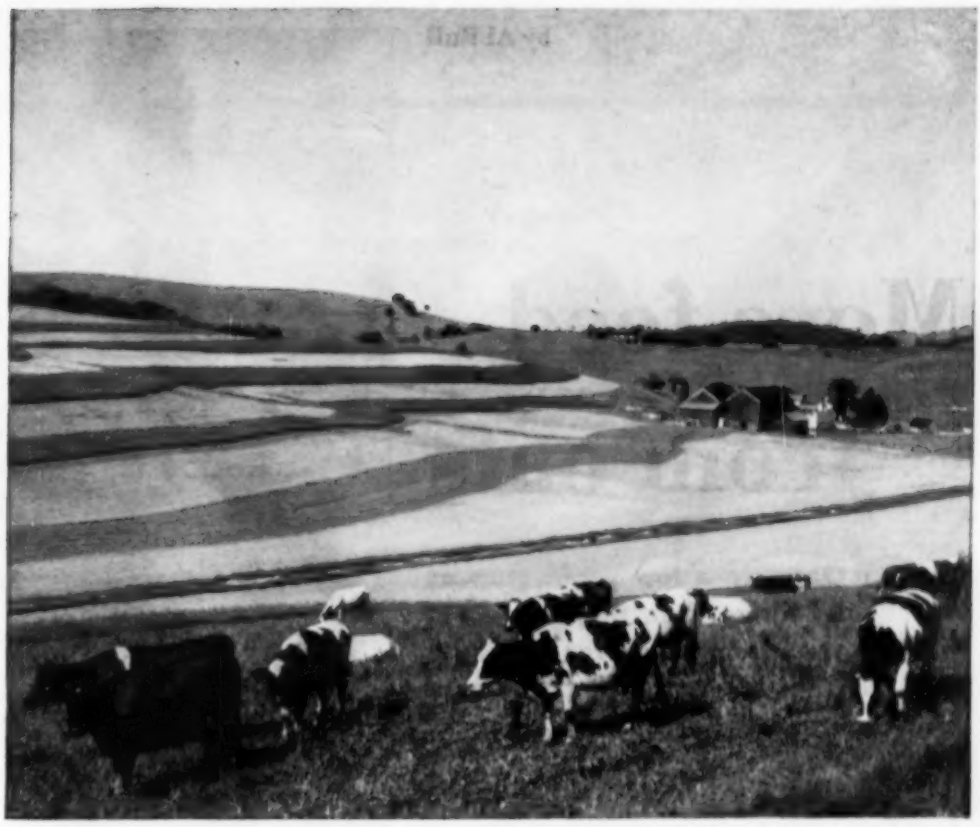
That may not work out. It's a bad gamble to overload the market anyway. Raise fall pigs from your best sows only. Don't add to the hog surplus.

It's Election Day

IF YOU'RE an Iowa farmer, be sure to vote in the next few days. This election will choose your township representative on the new county agricultural extension council.

Under the new law which separates the Farm Bureau and extension, direction of extension work will be in the hands of this county council. You'll choose your township reprentative.

A few of these township elections have already been held. Most will be held in the next few days. Everybody votes—Farm Bureau members, nonmembers, city folks and all. Protect farm interests by turning out and voting for a good man.



Cows plus farming on the contour have helped to turn run-down hill land into productive farms. Dairying can help build soil; its products build people.

Odds and Ends . . .

WHAT kind of June weather? In the last 15 years, June has been wetter than normal 12 times and drier than normal three times.

. . . IN THE 15 years from 1925 thru 1939, June was wet only five times and dry 10 times. Now you can guess about 1955.

. . . SOCIAL SECURITY payments are helping more old people buy more farm products. But many old folks are still underfed.

. . . AGRICULTURE in Iowa, according to the Iowa Farm Bureau, has about 56 percent of the assessed valuation of property but only 21.9 percent of the income.

. . . MAKERS OF OLEO like to put in something about "creamy goodness" and often add the picture of a cow. The Federal Trade Commission has told oleo people to stop this kind of monkey business.

. . . FRED HEINKEL, president of the Missouri Farmers Association, says that from October, 1952, to April, 1955, the drop in farm product prices was "less than four percent with crops with 90 percent supports, while those with flexible or sliding supports dropped 20 percent and those with no support 15 percent."

. . . NEW HOUSEHOLDS are being formed at the rate of 900 thousand a year. New houses are being built at the rate of 1.3 million a year. So Sumner Slichter, economist of Harvard, thinks the housing boom may be nearing an end.

. . . GOVERNMENT HELD in storage, at the end of April, 1955, 253 million pounds of butter and 291 million pounds of cheese. This is a 28 percent drop in butter holdings in the last year and a 14 percent drop in cheese holdings.

. . . RUBBER STOCKPILE held by the government may run us six or eight years, according to the Wall Street Journal. The corn stockpile would keep us going three months; the wheat stockpile a little over a year. But all the screaming you hear is about wheat and corn.

Song of the Lazy Farmer

IF NEIGHBOR and all slaves like him who work all day with so much vim would stop to ponder on their lot, they'd realize what luck they've got. Like all who work their lives away, those birds complain 'most ev'ry day that they've got twice the cares to bear of other people anywhere. But if they'd knock off work some day and find a quiet place to lay where they could watch the clouds and sky, perhaps they'd realize just why a farmer's life is quite a treat, it's something that is hard to beat because he's got so darn much more than others to be thankful for.

Some folks live where they seldom see a thing as lovely as a tree, and they can't see the sky so blue except in tiny patches thru a maze of poles and wires, by gee, or masts for picking up TV. But even if they had a place where they could look up into space, the city's constant clanging din would hem all restful thinking in, or else they'd only see the sky as something in which bombers fly. That's why, out here where we can rest and get some thinking off our chest, it seems to me it's such a crime to stick to working all the time.

by **Al Bull**

More feed from oats

Oats are a low profit crop on most farms. Yet, they are about the best nurse crop for starting a legume seeding. So, here's how some folks get more from oats:

GET TWICE as much income from oats?

"Many farmers think they are doing at least that well," declares A. L. Neumann, University of Illinois beef specialist. Here's a rough example of how he figures:

Take an acre of oats yielding 50 to 60 bushels per acre. At 60 cents a bushel, that's $30 to $36 for grain.

Harvest the same acre for silage. You get about 2,300 pounds of total digestible nutrients. This can grow 300 pounds of good beef. At 20 cents a pound, that's $60 from the same acre.

Harvesting costs are about the same in either case. Risk and extra labor for feeding cattle are more than offset by value of manure and improved seeding.

Milford Beeghly of Woodbury county, Iowa, says, "I've used small grains for silage for several years now. Taking the nurse crop off early really helps the seeding."

"I wouldn't have believed the difference it makes," he insists.

"See that field of alfalfa and ladino clover? And the dark green border around it?" he asks.

"I took five or six rounds of silage off a few days ahead of the rest. Where silage came off first, the seeding is thicker, taller and greener," he explains.

"Silage comes off a week to 10 days before grain would be harvested. I can see a difference in the seeding every year," he says.

Beeghly uses most of his small grain for silage. He harvests only enough oats to have some for his sows.

In Schuyler county, Missouri, Joe Casteel is just as enthusiastic about helping his new seeding by cutting oats early.

He feeds oat silage to both cattle and sheep. "It is high quality feed and livestock really like it," he says.

"There's only one problem. Oats should be made into silage about the same time alfalfa-brome should be cut for hay," he says.

Oats make good feed for livestock. But they may give you more profit if used as silage. Shown is Duane Kromminga of Benton county, Iowa.

Roger Tweedy of Henry county, Iowa, uses oat silage for his dairy cattle. Last year, 12 acres filled his 150-ton silo. And he got a cutting of high quality hay from the new seeding in late fall.

"Milk production held up better than when I fed other silages," Tweedy thinks. "Even if it didn't, silage is a good way to use oats."

For dairy cattle getting a full grain ration, oat silage may fit the ration as well as corn silage, thinks J. Ross Fleetwood of the University of Missouri. That's because corn makes up energy that oat silage lacks.

Small grain silage rates above legume-grass silage in energy content. But below corn silage. Legume-grass silage contains more protein. Oat silage tests about 11 or 12 percent protein.

Dry beef cows have been wintered on oat silage alone. Protein content is usually high enough for calves, too. An acre of oats silage should winter a cow and her weaned calf, thinks Neumann.

Best spot for oat silage is wintering beef calves. Each pound of corn—or other high energy food—should give another quarter pound of gain, figures Neumann.

In tests with beef steers on a limited feed of grain, oat silage proved better than legume-grass silage. But oat silage ranked a little behind both legume-grass and corn silages when animals were on full feed.

Now, what about making oat silage?

The period during which oats make the best silage is rather short, says Fleetwood. He recommends cutting in the dough stage. Usually a few leaves at the bottom of the plant are turning brown at that stage.

Fred Kerber of Palo Alto county, Iowa, says, "Moisture content is critical in making good silage." He planted field peas with his oats. Since peas will still be green when oats are ready for silage, he's thinking of using ground ear corn and molasses as a preservative. That will supply extra energy, too.

"Oats for silage should be between 65 and 70 percent moisture—just like other crops," thinks Vic Burcalow, University of Wisconsin forage specialist.

If oats look a little wet, better try wilting them to proper moisture. Or a preservative might help.

If they are on the dry side, cut into shorter pieces for better packing. And you may want to top out the silo with several loads of greener material.

Oat silage isn't hard to make. And it does let you get more from your oat crop—if you have livestock to use the extra forage.

VOTE *yes* IN THE WHEAT REFERENDUM JUNE 25

EVERY farm family has a stake in this referendum. That stake is your *farm prices*.

A YES vote means the *best price* you can get under existing conditions.

A NO vote means *cheap wheat* and more of it.

Cheap wheat will go into the market against corn, soybeans, and other feed grains.

That could end the price support program for corn and everything else.

Cheap feed can lead only one way—to *cheap livestock, cheap milk, cheap butter, cheap poultry* and *cheap eggs*.

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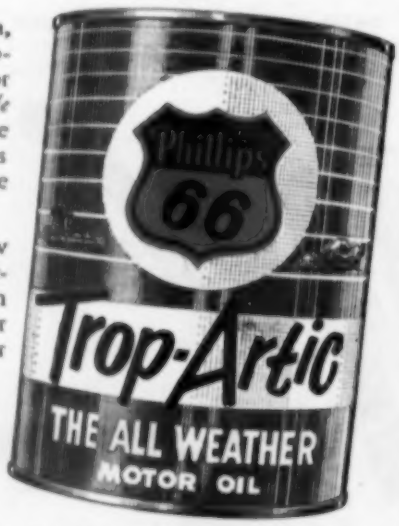

PHILLIPS PETROLEUM COMPANY

Bales have a big advantage when you want to move stored hay. Shown is Joe Worth, in barn, and son Gerald of Winnebago county, Iowa.

What cost for making hay?

CAN YOU afford to make hay with modern equipment? Here's about what each operation in the hay field costs you:

mowing	**$1.30 per acre**
raking	**1.00 per acre**
load and haul loose hay	**2.80 per acre**
baling	**3.25 per acre**
chopping	**4.65 per acre**
load, haul and store bales	**2.80 per ton**
crushing	**1.00 per ton**

These figures are close to actual cost. If you hire the work done, expect to pay 25 to 40 percent more. And you'll want to charge that much more if you do custom work.

A lot of different factors influence the way to handle hay. For example, if you want to move hay after it is stored, baling looks best. Chopped hay can be dusty to feed—especially if it is cut too fine.

If you raise less than 50 tons a year, it won't pay to invest in much machinery. Better count on using a loader or buck rake. Or on hiring the field equipment.

If you have more hay than that, you may want to own equipment and spread the cost thru custom work.

Here's how costs per ton figured out with typical operations. Tons of hay per year are also listed.

loader	**50 tons**	**$4.52**
buck rake	**40 "**	**4.55**
baler	**300 "**	**5.71**
small chopper	**150 "**	**5.12**
large chopper	**300 "**	**4.50**

These costs figure hay from windrow to mow. Cost of mowing and raking adds about $1.50 per ton.

Labor was figured at a dollar an hour. Hauling distance was 100 rods in each case.

Efficient farmers were able to get by with five to 19 percent lower costs.

Investment in equipment varies greatly for the different methods. With a buck rake, you can get by with about $500 in equipment.

But for a baler, figure on investing well over $3,500 in equipment.

For a small field chopper, about $3,000 may get you by. Add another $1,000 if you are thinking of a large chopper.

These methods depend on field curing. That takes a day and a half to two days. During that time, the hay is exposed to possible weather loss.

With a crusher attachment for your mower, you can cut drying time about in half. But it slows down the mowing operation. And adds to the machinery investment.

Mow curing can cut down field drying time, too. Hay goes in at about 40 percent moisture instead of less than 25. The experts say this saves 10 to 15 percent more hay. And the extra hay is all leaves and fine stems.

Cost of drying figured out a little over $3.25 a ton in a Michigan study.

You can substitute horsepower for hand labor in haying. But average operators need to do some custom work to keep costs in line.

QUIPS AND QUOTES

FEMININE PSYCHOLOGY—Being smart enough to ask for husband's advice, but not dumb enough to take it.—Danbury Review.

IT'S NOT ORDINARY working problems that get a man down. It's the cussedness of everything converging on him at the time when he is busiest.—Clear Lake Mirror-Reporter.

REMEMBER, gossip is something that goes in both ears and comes out the mouth highly exaggerated.—Sioux Rapids Bulletin-Press.

TRY TO CONVINCE a schoolboy that summer vacation days are longer than winter school days. —Grand Junction Globe-Free Press.

ALL OF US are more or less echoes; and despite ourselves, we repeat the good and bad qualities, the actions and the character of those among whom we live.—Mason City Globe Gazette.

THE HONEYMOON'S really over when he phones that he'll be late for supper and she's already left a note that it's in the refrigerator.—Dayton Review.

THE VIEW you get of some gals makes you wonder why they ever called them "slacks."—Paton Portrait.

THOSE WHO are always looking for something for nothing should remember that there's always free cheese in a mouse trap, but you never saw a happy mouse there. — Lake Mills Graphic.

PEOPLE are funny. They spend money they don't have to buy things they don't need to impress folks they don't like.—Manning Monitor.

DRIVERS are safer when the roads are dry; roads are much safer when the driver is dry. —Schaller Herald.

MAYBE WE'LL SELL more pencils after July 1, when Iowa sales tax has to be figured at 2⅛ percent.—Collins Gazette.

THERE ARE some people who believe that everybody wants to know just exactly how they feel, and why.—Walnut Bureau.

"I've enjoyed this long chat, Ella. But I'd better get back to my painting."

WHEN YOU COME BACK SICK OR INJURED

HOW LONG CAN THEY PAY THE BILLS AND KEEP YOUR FARM RUNNING ?

FEEL SECURE with

The All American FARM-HOME PLAN

Last year, someone was injured almost every 3 seconds . . . an accidental death every 5½ minutes. Sickness struck nine times more often. The most fatal of all occupations proved to be farm work. In all accidents, 1 victim out of every 8 lived on the farm. Think back! How many times have you just missed being carried home sick or injured . . . a kick, fall, sunstroke, heart attack, hand in sheller or grinder? Yes, your neighbors will help out, but how long can your family pay the bills? How long can they keep your farm and home running?

KNOW THESE FACTS BEFORE TAKING ANY MORE CHANCES

Protect your ability to earn a continuous farm income and you protect all! The Farm-Home Plan will make you and your family feel secure. It pays you, the farmer, a monthly income to help you get well when you are sick or injured and can't work. It provides liberal cash benefits to help keep your farm and home running when money is needed most. Get this full 24-hour protection before taking any more dangerous chances such as you and all farmers must face every day.

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Outstanding Features of The Farm-Home Plan: The Company cannot refuse renewal or limit the benefits of the policy, prior to the anniversary date following the insured's 70th birthday, as long as the insured is actively engaged in farming, without taking same action on all like policies issued to farmers in the named state. No decrease in benefits and no increase in rates as insured persons grow older. HOUSE CONFINEMENT IS NEVER REQUIRED to collect disability benefits. Best of all, the cost is just a few pennies a day. The plan is underwritten by one of the largest companies in the world from the standpoint of capital, engaged exclusively in providing accident and health insurance. Sold on Positive Money Back Guarantee within 30 days of policy issuance. See our representative or mail coupon for full details without obligation.

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—200-$150-$100 Monthly income for loss of time while totally disabled, payable EVEN FOR LIFE;*

—$10,000 for loss of any two members including eyes*, PLUS $200-$150-$100 Monthly income for 5 years;*

—$5,000 for loss of any one member including eye*, PLUS $200-$150-$100 Monthly income for 1 year;*

—$100-$75-$50 Monthly income for loss of time while partially disabled up to 3 full months;*—up to one-fourth of one month's income for medical treatment of non-disabling injuries.

***PAYS DOUBLE BENEFITS FOR DEATH, LOSS OF MEMBERS AND DISABILITY**

—as result of injuries while passenger in pleasure-type automobile.

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"88" HARVESTOR

Beats the capacity of far bigger machines!

Owners say you can out-harvest far bigger machines with this MM "88" Harvestor . . . and save grain and money every round! The raddle-feed is one big reason. The spring-loaded "88" takes the grain as it grows . . . evens out heavy stands . . . feeds the cylinder at a smooth, even rate. Grain can't bunch up . . . can't tumble back. The "88" is yours with a new, more powerful V-4 engine or a new heavy-duty PTO gear box, a one-piece, 7-foot header or windrow pickup, and adjustable wheel tread for easier row crop harvests.

"69" HARVESTOR

Built for your lowest-cost harvest!

Every cent you spend buys unbeatable performance when you buy this MM "69" Harvestor. So light-running a 2-plow tractor with power take-off handles it easily; so perfectly balanced one man can easily lift the hitch to drawbar height—that's the "69"! With a 5-foot cut and 9-inch gather, and straight-through, full-width threshing and separating, you get big capacity . . . clean grain. You can buy the "69" with header or quick-attaching windrow pickup . . . with a V-4 engine or PTO drive.

"88" HARVESTOR

"69" HARVESTOR

IT'S A FACT, YOU CAN MAKE THIS THE YEAR YOU PROFIT WITH THE MONEY-MAKING ADVANTAGES OF MM HARVESTORS

MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA

Weeds are whipped in this corn field. Further cultivations will not likely increase yield. Cornfield was pictured in Clayton county, Iowa.

Cultivate corn or make hay?

Last cultivation not very important if corn is reasonably free of weeds

IF YOU must choose between making hay when hay is ready or cultivating corn the third time, you'll probably gain most by putting up the hay.

For now it's pretty well agreed that the only reason for cultivating corn is to kill weeds. They rob corn of both moisture and plant food.

But after corn is knee-high, it isn't often that you can kill many weeds by cultivation. Mostly, you just stir the soil.

Well, doesn't stirring the soil save moisture? What about the dust mulch theory and capillarity?

Once it was claimed that corn needed frequent cultivation to keep a dust mulch on top of the ground. Experiment station men of 50 years ago explained the theory of the dust mulch this way:

They'd take a cube of sugar and spread loose sugar over the top. Then they'd dip the sugar in their coffee. Moisture would rise quickly thru the hard sugar, but stop when it reached the loose sugar.

This was called capillarity. Moisture would actually rise thru firm soil, they said, and stop when it reached the loose mulch on top.

So the loose mulch was recommended as a method of getting water up to the corn roots. And also to prevent evaporation from the top.

The theory was well accepted by the farmers in the early days of the Corn Belt. For they believed that cultivation in itself did corn good.

Corn was often cultivated until it would "break under the arch." Then a few tried dragging old mower wheels thru big corn with one horse to make the dust mulch on top of the ground.

But farmers' practices have changed. They no longer think cultivating big corn important. And even the dust mulch theory is no longer believed. Here are reasons:

Further study has shown that the mulch has little effect after corn shades the ground, and corn roots form a web under the surface of the soil.

Evaporation is prevented by the shade. And any moisture that moves upward is caught by the corn roots before it could reach the surface.

Furthermore, farmers have found that some of their biggest corn yields have been produced on fields cultivated twice, and sometimes even only once.

Cultivation as a method of providing a dust mulch has its dangers anyway. Some moisture is turned up and lost thru evaporation. Corn roots are sheared, too.

Both experimental results and farmers' experiences indicate that cultivation of corn after it is knee-high is not advisable unless weeds can be killed by such cultivation.

There are cases, of course, where a new crop of weeds is just starting. Or it may be deep rooted weeds of some kind can be cut off.

Then cultivation may pay even when corn is hip-high. These are exceptions.

If corn is cultivated after it gets big, shallow cultivation is always advisable. And shovels should be set as far from corn as possible. Nothing is gained by tearing up soil in which corn roots are imbedded.

A cultivation saved means lower cost on your corn crop. And the saving of time to make hay or do some other job is often important.

EIGHT YEARS AGO, only one percent of the silage made in United States was grass silage. Last year, grass silage made up 22 percent of the total.

Here are reasons for lightning and thunder

Lightning is caused by a buildup of static electricity. An electric charge in a cloud induces an opposite charge in the earth and things on the earth's surface.

Air acts as an insulator between these two attracting charges. When the charge gets high enough, it breaks down the insulator. Then a giant spark—lightning—is produced where the breakdown occurs.

Tips of sharp-pointed, tall objects are most likely targets. They tend to bleed off some of the charge. And in doing so, they decrease the insulating capacity of the air. That's why lightning often strikes the same place many times.

Lightning strokes release tremendous amounts of energy. Sap in live trees can turn to high pressure steam that splinters the tree.

Combustible material in contact with areas heated by the stroke may burst into flame.

Heat from a flash of lightning expands the surrounding air. The resulting sound waves are the thunder. It is like firing a gun. Expansion of air makes the "boom."

Thunder comes after the lightning because light travels faster than sound. You see the flash almost the instant it occurs. But sound travels less than a quarter of a mile per second. So if you hear thunder ten seconds after you see a lightning flash, you know that the flash was about two miles away.

The lightning flash can occur over a long jagged line. This gives the roll of thunder as sound from more distant parts of the line takes longer to reach the ear.

The Corn Belt can expect 40 to 50 thunderstorms a year. Financial loss from a lightning stroke can run high. Fortunately, both buildings and lives can be protected rather easily. (See page 66, May 21, 1955, Wallaces' Farmer and Iowa Homestead.)

SPRINKLER irrigation may bring faster spread of some crop diseases. Beans seem particularly susceptible. More work is under way. So far, scientists guess this comes from higher humidity produced by irrigation. And by small injuries to leaves caused when drops of water strike the leaf.

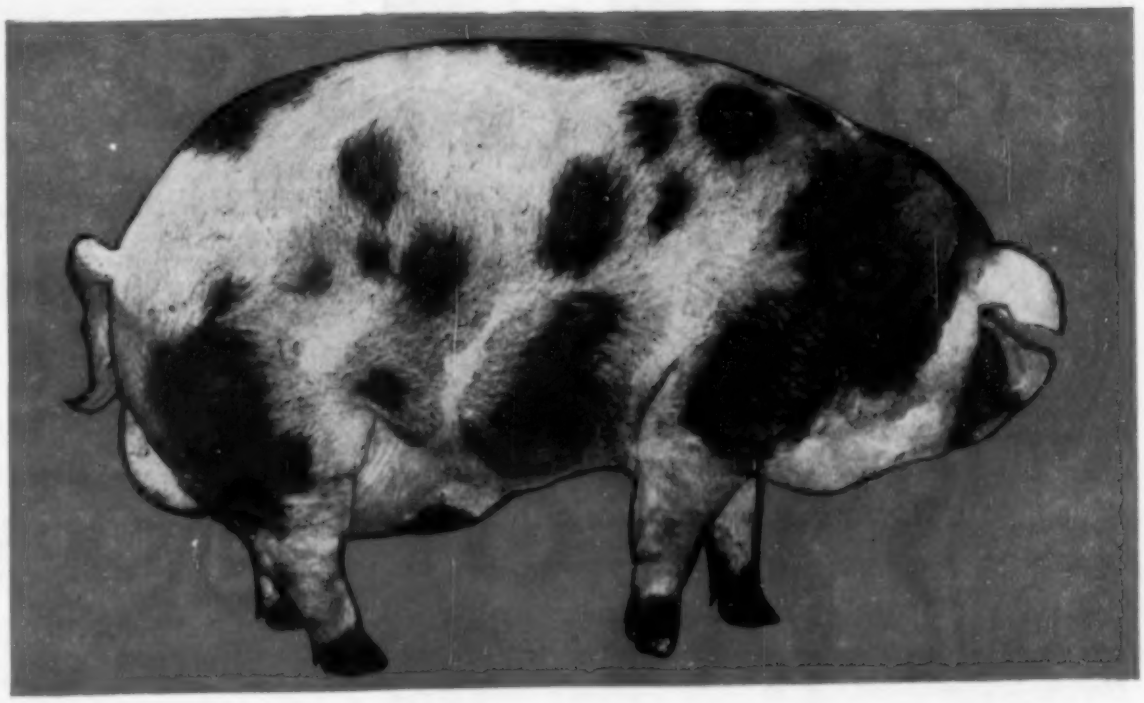
"What happened to all those things you had saved up for a rainy day?"

Fast action is needed when

ERYSIPELAS STRIKES YOUR HOGS!

ONE-SHOT

PENICILLIN TREATMENT STARTS FAST—LASTS 5 DAYS OR MORE!



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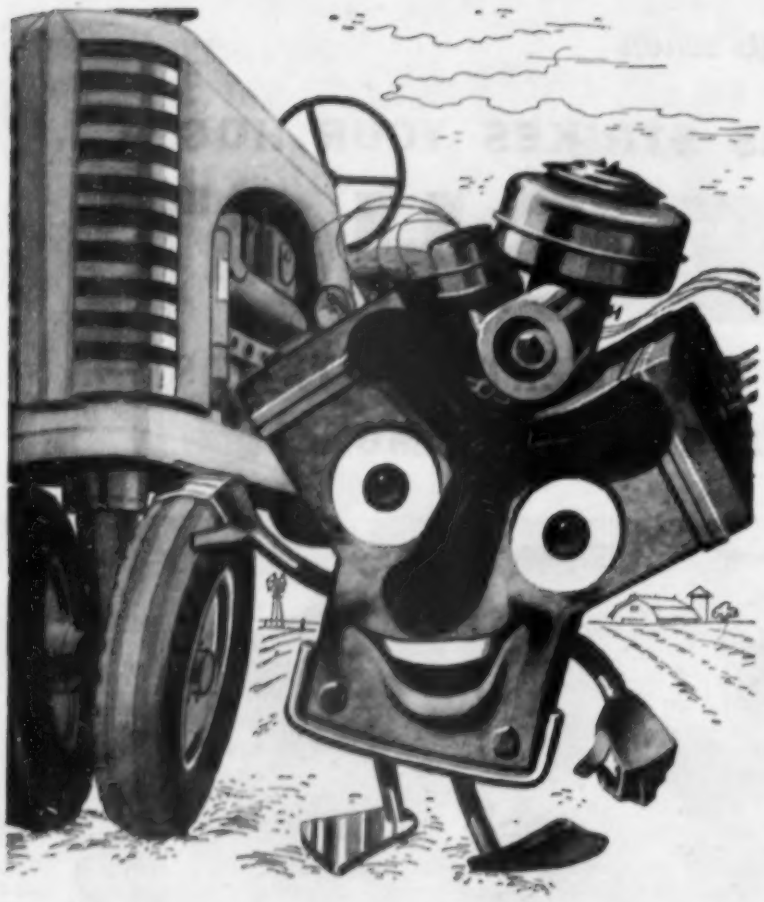

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See how much more mileage and smooth, knock-free performance new D-X gasoline can get out of your car or tractor. Remember – it takes *both* high octane *and* upper-cylinder lubrication to produce such fine engine performance.

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Irrigation made the difence. Both photos were made in the same field. Above photo shows alfalfa that was watered last summer after oats harvest and again this spring. At right: Unwatered alfalfa. On the Jasper county, Iowa, farm operated by Clarence Bruxvoort.

Pump water to crops?

"One shot" irrigation will do the job, some farmers believe

LATE July and early August is the crucial period for most corn crops. A good three-inch rain during that period may mean the difference between a poor crop and a good crop.

That's how most of Iowa's irrigating farmers justify their irrigation systems. They're thinking in terms of supplemental irrigation.

"Don't figure on total irrigation. Iowa isn't a desert yet!" argues Clarence Bruxvoort of Jasper county, Iowa. And he finds considerable agreement.

Bruxvoort irrigated for the first time last year. He pumped three inches of water from the North Skunk river on 10 acres of corn. He admits that he was late in getting his system set up. But he thinks that the three inches of water made the difference between a 40-bushel crop and "practically nothing."

Three inches of water on new seeding shortly after harvesting oats can make the difference between a good stand and failure, Bruxvoort says. As evidence he points to his alfalfa field. Last year, he had pipe enough to reach only half of the field. Difference in stand this spring is pictured above.

Bruxvoort is equipped to irrigate 120 acres of crop land. And he figures the river will supply all the water he'll need. But suppose most of the farmers along that river should start irrigating. There won't be enough water to go around—especially in dry years.

In that case, Bruxvoort is thinking of building a large reservoir. Reservoirs, if big enough, may solve the water supply problem on some farms. But ordinary farm ponds usually are inadequate. Some irrigators have been surprised to find how fast they could pump a pond dry.

Arnold Van Zee of Mahaska county, Iowa, irrigated from the South Skunk river last summer. He put about four inches of water on 10 acres of corn. And he figured he boosted the yield 20 bushels per acre.

Encouraged by the irrigating experience, Van Zee built a reservoir with a 300-foot dam last fall. He figures he has enough water in the reservoir now to irrigate 30 acres one time.

But in extremely dry years, some reservoirs may not fill up again. In that case, Van Zee says he can run a line of pipe from the river to his reservoir early in the season—and pump water into the reservoir.

Dan Dieleman of Marion county, Iowa, doesn't figure he got much benefit from irrigating 10 acres of corn with rented equipment last summer. Reason: He didn't start irrigating until too late. A three-inch rain fell as he was completing irrigation of the 10 acres.

"But I found out that I have enough water to irrigate if I

(Continued on next page)

One irrigation enough?

(Continued from last page)

want to," Dieleman says. He has three farm ponds. Two of them are large—about 20 feet deep when full.

Dieleman says he lowered one pond about three feet in putting two and one-half inches of water on the 10 acres of corn.

Irrigation involves a sizable investment in equipment—usually around $50 to $75 per acre to be irrigated. Some farmers manage to get by on a smaller investment. Added to that is a big labor requirement—along with operating costs.

Is it safe to make that investment when you have a limited water supply? Or if you have to depend on a stream on which your water rights may be questioned?

In other words, will the "one shot" approach to irrigation pay off? Or should you have a supply of water that will permit two or three irrigations of a crop?

Answers to those questions may not be the same on every farm. At any rate, they aren't easy to find. Lots of folks have ideas. But irrigation experience under Iowa conditions is quite limited. And we don't have proof.

Iowa State College is conducting irrigation experiments which should throw light on the questions of how many irrigations are needed and best times to apply water. But college workers need more data before they can make recommendations. Weather varies from year to year. And results of one year's experiments don't tell the whole story.

Iowa tests do indicate that fertilizer may give greater response than irrigation on heavier soils.

So unless you're doing the best possible job of management — fertilization, weed control, insect control, etc.—you might gain more from increased emphasis on those practices than from irrigation.

If you're already using fertilizer, planting rates, etc., to the best advantage, then irrigation may be your next step toward greater crop yields and profits. That's if you have the water.

Iowa State College specialists figure you'll have to increase your yields at least $20 per acre per year over a period of years to break even on irrigation. That includes costs of labor, fuel and upkeep and depreciation on equipment.

Maybe you can do that—and have some profit on top. Some farmers are convinced they can do it. One Marion county, Iowa, farm owner, for example, figures irrigation will permit him to plant heavier stands and get bigger yields, irrigation or no irrigation.

"If I need irrigation to support the heavy stand, I'll have it," he points out. "Or if I don't need to irrigate, I'll get a return on my equipment because I'll have a stand that's heavy enough to take advantage of the natural rainfall."

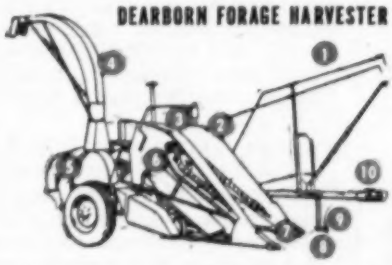
Sure licked my silage

SPOILAGE PROBLEM

with the Dearborn Forage Harvester!

- Unmatched for uniformity of cut
- Silage packs tighter—less molding and spoilage
- Sweeter, more palatable silage—cattle eat it better, show bigger gains, produce more milk

DEARBORN FORAGE HARVESTER



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9 Compact—close coupled—light pulling
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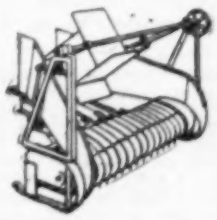

Hay Head Easily Attached

Extra-wide 54-inch pick-up for fast, clean work in all windrowed crops. Quickly, easily attached.

YOU'LL SEE THE DIFFERENCE...

Take a close look at a handful of silage cut by the Dearborn Forage Harvester and you'll notice the silage is cut to exceptionally uniform, short lengths—the kind that packs tighter in the silo, keeping out air and reducing spoilage.

You'll notice, too, that the silage is clean cut—less shredding and tearing of the forage, less jagged cutting. Naturally, the clean-cutting action saves power. This means you can chop faster in heavy yielding hybrid corn.

UP TO 15 TONS PER HOUR...

Not only can you chop silage that keeps better—you also get the job done quicker, with less work and fewer delays in the field. *Due to the smooth feeding,* chopping and blowing action, the crop flows through at a fast clip—up to 15 tons per hour.

Of course, there are many more outstanding features—advantages that you'll appreciate when you put this field chopper to work in your fields. So find out more ... see your nearby Ford Tractor and Implement Dealer. Tractor and Implement Division, Ford Motor Company, Birmingham, Michigan.

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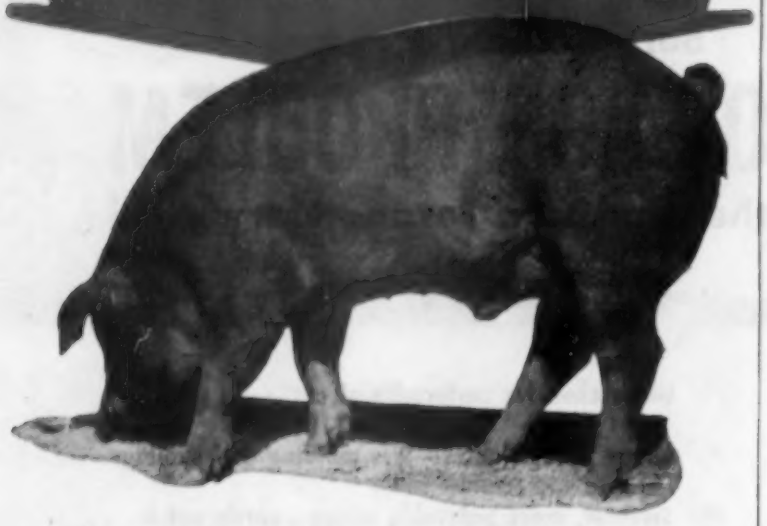
GETS MORE DONE... AT LOWER COST

HOG PRICE PEAK *only about* 2 MONTHS AWAY



Don't Delay! Here's How You Can

SAVE WEEKS OF FEEDING

with GOOCH'S BEST

"TEAM OF FEEDS"

1 RACE 'EM TO 75 LBS. IN FEWER DAYS—with GOOCH'S BEST Super Pig Supplement

AT 6 WEEKS, your pigs can be started on farm grains balanced with this highly fortified, growth-boosting supplement to put them out ahead in the race for "early-market" profits. GOOCH'S BEST Super Pig Supplement is specially designed to keep pigs growing fast—right through weaning! It gives them fully effective levels of antibiotics, blended proteins, minerals, trace minerals, vitamins. In addition, pigs get the extra "grow power" of GroLac, Gooch's exclusive new growth-speeding formula. Only ⅔ lb. of Super Pig per head daily balances your farm grains.

2 SPEED 'EM ON TO EARLY MARKET—with GOOCH'S BEST Super "40" Supplement

FROM 75 LBS. ON, balance your farm grain with ½ to ¾ lb. daily of GOOCH'S BEST Super "40" to push hogs to market fast. With guaranteed effective levels of antibiotics—Aureomycin and Terramycin—top-quality, weight-building proteins, vitamins and minerals, GOOCH'S BEST Super "40" helps produce the good "meaty" hogs that command top prices. It's during this "race-to-market" time that you can save up to 17 or more hog feeding days. To hurry hogs to market weight and condition, continue them on Super "40" all the way!

Help Yourself and the Hog Market, Too!

GROW 'EM FAST

with GOOCH'S BEST "TEAM OF FEEDS"

SELL 'EM EARLY

AT AROUND 200-225 LBS., TO COMMAND TOP PORK PRICES

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GOOCH'S BEST Feeder-Proved FEEDS are part of Good Management

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Collect and trade them for valuable merchandise!

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Lincoln, Nebr. — Salina, Kansas
Council Bluffs, Iowa — Dalhart, Texas

Workday pointers

CORN STAND lost? Grain sorghum, sudan grass, soybeans or real early varieties of corn can still be planted.

▼ ▼ ▼

NEW DOCKS for foreign material in soybeans will be enforced after September 1. Weeds and corn in bean fields may cost you money.

▼ ▼ ▼

SEPARATE QUARTERS for runty pigs will make your herd look better. And the backward ones may catch up if they don't have to fight the healthy ones for feed.

▼ ▼ ▼

TAKE THE CHANCE of cutting a few corn roots if you can't get the weeds and grass in the corn row without cultivating in close. But don't pull sweeps or shovels in one inch more than necessary.

▼ ▼ ▼

LEATHER GLOVES may save skinned hands when tightening bolts on the corn cultivator.

▼ ▼ ▼

AS CHICKS GROW raise the feed troughs so edges will be about the height of the chick's back. That saves waste.

▼ ▼ ▼

DULL SWEEPS or shovels on the cultivator run unsteady. Deep rooted weeds may not be cut off. And depth will be uneven. Keep shovels sharp for a smooth, even job of cultivating corn.

▼ ▼ ▼

GAS TANK in the sun? Then evaporation costs you many gallons of gasoline. And you'll lose still more if tank is filled full of cool gasoline. It expands as the sun warms it. Shade for the gas tank is a money saver.

▼ ▼ ▼

WEANING PIGS later than eight weeks old, is costly in extra feed and delayed marketing of sows. And no one believes, any more, that pigs benefit from the longer suckling period.

▼ ▼ ▼

BLOAT DANGER on legume pasture is thought to have passed when legumes get stemmy and start to bud. Danger is also considered small when the stand is half grass, half legume. But there is no sure preventive for bloat.

▼ ▼ ▼

SOYBEANS are a good smother crop for weeds if broadcast after June 1 on ground that has been plowed the same day beans are planted.

▼ ▼ ▼

CHOLERA VACCINATION is insurance against loss that few good pig raisers go without.

▼ ▼ ▼

TAKE TIME to think about your farm work for at least a week ahead. Chances are you'll save a good many hours.

▼ ▼ ▼

YOU NEED LIGHTS on farm equipment traveling on the highway at night for your own safety as well as the safety of others.

CROSS-VENTILATION, north to south, cools poultry and hog houses during hot weather.

▼ ▼ ▼

ONE GOOD LOOK at the neighbor across the fence or at the car passing on the road may cost you several hills of corn if you're cultivating at high speed.

▼ ▼ ▼

TIGHT FENCES can be badly damaged if constantly hit by the tractor or cultivator when turning at ends.

▼ ▼ ▼

DRAIN THE OIL from the tractor when it's hot. Dirt or other material will be carried with the thin oil. But fill the fuel tank after the tractor gets cool. Spilled gasoline won't cause fire then.

▼ ▼ ▼

HAY should be a little drier for baler or chopper than for loose storage in mow or stack.

▼ ▼ ▼

PLAN TO CUT clover hay early if you want to get a seed crop or even a good second crop for hay or pasture. Hot, dry weather often delays start of second crop.

▼ ▼ ▼

HAND SPRAYING must go along with big machine spraying if cleanup of weeds is to be complete. Use the hand sprayer

for lone survivors after machine spraying, and for small patches of weeds out by themselves.

▼ ▼ ▼

MASTITIS in milk cows may be cured by treatment, but it will come back if causes of the disease are not removed.

▼ ▼ ▼

ANY CLEANING METHOD for eggs destroys some of the protective covering. It's better to clean the nest.

▼ ▼ ▼

CONFINEMENT of the laying flock and isolation of young birds from older hens will stop poultry lice, says W. R. Whitfield of Iowa State College. The poultry specialist says the confinement and isolation method keep lice from transferring from old to young birds. Lice go to market with the old hens.

▼ ▼ ▼

HAVE TO WATCH the water tank and shut off water when it's full? Here's a step-saver used by Mrs. Clarence Seath, Faribault county, Minnesota. Get a glass jug, and paint it white on the inside. Let it float on the water in the tank. You can see when the tank is full without walking all the way to it. An automatic control would be still better.

Iowa M.D.'s Say . . .

Have fun swimming, but be safe

"HEY! Come on in! The water's fine!" That's an invitation few of us—young or old—can resist.

Swimming is a pleasant and healthful recreation, but it can be dangerous. Thousands of persons are injured or drown each year because they did not observe swimming safety rules.

The first requirement, of course, is for all to know how to swim. Swimming is best taught in classes such as are taught by the Red Cross, schools, and other organizations. If everyone would learn how to swim, one of the greatest causes of drowning would be erased.

If possible, swimming should be done at supervised sites. Check over the swimming area if it is unknown to you.

You should be on the lookout for submerged tree stumps, dead logs, and any sharp material that may cut your feet.

In many places, swimming and sewage go hand in hand. Swimming in such waters should be avoided to prevent typhoid fever and other infectious diseases.

As a precaution against the dangers of cramps, do not go into the water too soon after eating a hearty meal. Also, do not enter the water immediately following strenuous exercise such as running or after participating in any vigorous games.

You should determine the depth of the water before diving and not dive into shallow water. Be sure that the diving area is clear of floating articles and other swimmers.

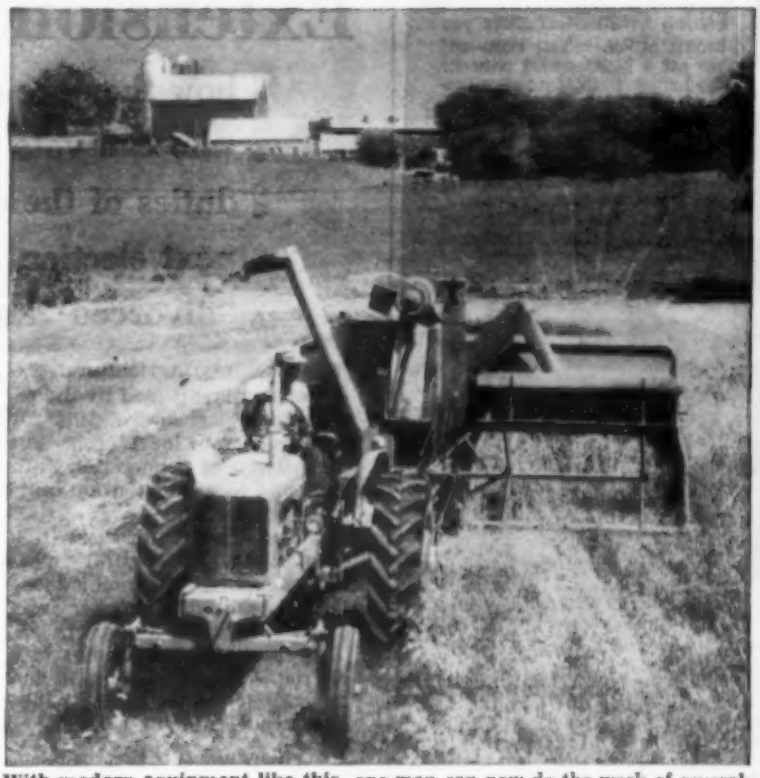
It is not wise to swim alone. You should also avoid swimming in treacherous waters or when chilled and exhausted.

Special attention should be paid to the advice of your family doctor if you have unusual ear or sinus conditions.

Swimming is a healthful exercise and a pleasant recreation. Let's keep it safe! If you will observe these common sense rules, many preventable and tragic swimming accidents can be avoided.

Articles in this series are prepared by members of the Health Education Committee of the Iowa State Medical Society.

"Just how much experience have you had milking?"



With modern equipment like this, one man can now do the work of several. But preventing breakdowns calls for good lubrication. Read below how one grease now does the work of several "one-purpose" greases—and does it better.

Now more farmers than ever are asking . . .

"Why Buy Four Greases When One Will Do?"

New lithium-base grease has good points of all "one purpose" greases—without their limitations:

HOW many different types of grease do you keep on hand to lubricate your farm machinery? If you're like most farmers, you buy several types of grease—"one purpose" greases, as they are sometimes called—each designed to overcome a specific lubrication problem.

But a sodium-base wheel bearing grease, for example, engineered to withstand high heat doesn't make a good chassis lubricant because water breaks it down. And calcium-base chassis greases don't have the high melting point required for a good wheel bearing grease.

Universal joints and water pumps, where both heat and moisture are a problem, call for still different greases.

Keeping all these "one purpose" greases on hand ties up a lot of money. Yet, until recently, it was an investment you had to make to guarantee proper protection to your expensive equipment.

But now Skelly Oil Company's petroleum scientists have come out with a new lithium-base grease that combines all the good qualities of specialized sodium-base, calcium-base, and aluminum-base greases—without their limitations.

This revolutionary new lubricant, called Skelly Supreme Multi-Purpose Grease, performs equally well as a wheel bearing grease, a chassis grease, a water pump grease, and universal joint grease.

New Skelly Supreme Multi-Purpose Grease not only equals the performance of old-type specialized greases, but excels them on every point. Here are some reasons why:

1. High melting point. Stands up well under high temperatures.

2. Water won't break it down.

3. Excellent mechanical stability. Keeps its consistency or "weight," won't soften or thin out in use.

4. Excellent chemical stability. Won't "separate" or dry out in shackles or fittings. Resists oxidation.

5. Adheres well to all metal surfaces for longer-lasting protection in any weather.

By switching to new Skelly Supreme Multi-Purpose Grease, you'll not only be assured of better protection for all your equipment, but you'll save money two ways: 1) by reducing your grease investment, and 2) by cutting down on waste.

On top of that, you'll eliminate the threat of serious damage that might occur from someone accidentally using the "wrong" grease.

Before your harvest gets under way, why not call your Skelly Tank Man and order a supply of new Skelly Supreme Multi-Purpose Grease—the one grease you can use for all types of service? Skelly Oil Company, P. O. Box 436, Kansas City, Missouri.

Want Up To 10% More Power?

Ask your Skelly Tank Man about the Skelly Farm "Power Pair," Skelly Regular Gasoline and Skelly Fortified Tagolene HD Motor Oil.

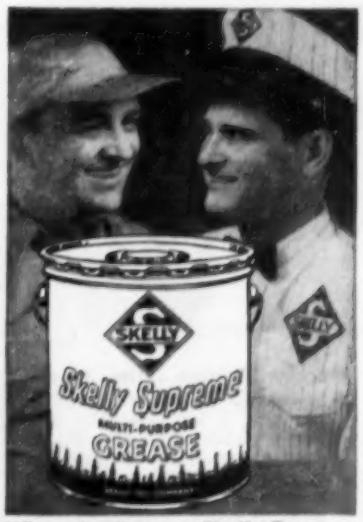
When used together, these two products can give you up to 10% more power and protection against wear than any other combination of competitive gasoline and motor oil.

Which Grease Would You Rather Trust?

In this dramatic demonstration of the abilities of two different types of greases to resist heat and water, an ordinary sodium-base grease is placed in the beaker of water on the left. An equal amount of new lithium-base Skelly Supreme Multi-Purpose Grease is placed in the beaker of water on the right. Now watch what happens as both beakers are heated.

As the water gets hot, notice how the ordinary grease has already begun to break down and dissolve from heat and moisture, while the Skelly Supreme Multi-Purpose Grease retains its consistency, despite heat and water.

A foamy mass of suds is all that is left of the sodium-base grease, as water boils. Yet neither the heat or the water has been able to break down the new lithium-base Skelly Supreme Multi-Purpose Grease. Which grease would you rather trust in your wheel bearings and water pumps where both heat and moisture are present, and where grease failure can be costly?



Why not order your Skelly Supreme Multi-Purpose Grease today? It's the one grease for every type of service.

(Advertisement)

Behlen Grain Drier—lets you harvest earlier, harvest more—and you get a better market price for dried crops. Reduces moisture content of 358 bu. from 25% to 15% in less than 90 minutes with farm tractor drive. Fuel cost, less than 1½c per bushel. Heat blower generates up to 4,000,000 B.T.U.'s direct heat per hour. "Full Cycle" grain handling. Portable. Models available for propane, natural gas, fuel oil.

Behlen All-Steel Bar Mesh Corn Crib—Behlen's exclusive "Post-Fab" galvanized process leaves no exposed weld spots for rust to begin. This protective over-all zinc coating, applied after welding, is actually up to six times heavier than that used on other cribs. Behlen Cribs are strong, sturdy—made of No. 2 gauge steel bars over ¼" in diameter. Five sizes: 596 bu. to 1,930 bu.

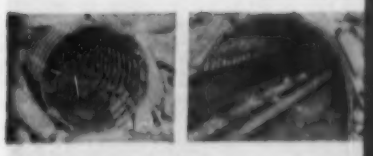
Behlen

gives you 12 months of perfect crop weather ... every year!

You can make your own perfect crop weather . . . and increase your profits with Behlen! No need to depend on the weather to *dry* your crops before harvest. No need to take a chance on storing high-moisture-content crops . . . and losing money because of rot and spoilage. No need to suffer crop loss because of improper storage facilities. Read how these Behlen products give you *safer, more profitable* CROP STORAGE.

Behlen Grain Storage Bins—First new development in grain storage bins in 20 years! Extra-deep corrugations in heavy gauge galvanized steel assure greatest strength and rigidity. Exclusive "double-seal door" gives double protection—keeps grain in, keeps weather out! Withstands weight of stored grain without need for cross ties, rods, etc. Double-section door. Six sizes: 1,000 bu. to 3,200 bu.

Behlen Frameless Metal Buildings—Only Behlen gives you frameless construction. Heavy gauge, corrugated metal—forms sturdy, rigid frame arches. Store your grain eave-to-eave without double walls. Floor space is unobstructed for later use as implement storage. Pick your own grain storage capacity—one thousand or one million bushels.



Behlen All-Steel Ventilators and Tunnels—Ventilators provide greater air-circulation in stored crops. Available in 4-ft. sections, 10-in. diameter. Tunnels make corn removal easier. Tunnels are 20" wide, 17" high. Extra heavy gauge steel bar mesh—"Post-Fab" galvanized.

Behlen Moisture Tester—Be certain whether the moisture content of your crop is low enough for safe storage! Quick, convenient, compact, portable, inexpensive, accurate and instantly read! Unit is self-contained, powered by small batteries. No computing or correcting necessary.

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Columbus, Nebraska

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☐ Corn Crib ☐ Ventilators & Tunnels

NAME_____
ADDRESS_____
CITY_____ STATE_____

Here's the latest word on new temporary

Extension councils

- how they are chosen
- who can vote
- duties of the council
- next election
- "divorced" housing

THE County Agricultural Extension law passed by the recent Iowa legislature calls for changes in your local setup. But the pattern of cooperation with state and federal extension units will stay the same.

The new law requires selection of a county agricultural extension council. The council is made up of one elected member from each township in a district.

In most cases, a county is a district. Only exception is Pottawattamie county. It is divided into two districts.

This council is responsible for putting the new law into operation. It takes over duties formerly handled by county Farm Bureau boards.

First step under the new law is getting a temporary council organized. Dean Floyd Andre, director of the state extension service, appointed three people in each township to act as a nominating committee. A chairman and secretary for the election meeting were also appointed. This was done with the help of local agricultural workers.

The nominating committee was to select at least two nominees for the council position. And to set a time and place for the township election meeting.

In addition to names selected by the nominating committee, other nominations can be made from the floor when the meeting is held.

Any person qualified to vote in a general election is eligible to vote in the council election. That includes folks who are not Farm Bureau members.

This is the first time folks other than Farm Bureau members have been permitted to vote for the extension advisory group.

Town and city folks can vote in this election, too. In fact, state extension officials urge every qualified voter to attend the meeting and vote in the election.

When all townships in a district have elected, an organization meeting will be called. The council members will select from their membership a chairman, vice chairman, secretary and treasurer.

According to the law, the new council must take over on or before August 1, 1955. Actually, the council has to be in operation before that date.

One of the duties of the council is to develop a budget for 1956. That must be in the hands of the county board of supervisors by July 31. Certain legal requirements in developing a budget mean that the council needs to be organized by early July.

Here are some of the other things the council must do:

1. Review and approve a program of work for 1956. Much of the planning for this has been done. But approval is up to the new council.

2. Set up an agreement with the state extension service. This is to define the responsibilities of both state and local workers. It is likely that a single "memorandum of understanding" form will serve for all counties.

3. Hire local extension workers. Contracts usually expire June 30. But with a new council supervising extension in the counties, the decision is likely to be postponed until the council takes over.

4. Receive and administer funds for operation during the rest of 1955.

5. Hold an election for membership on the regular council. This must be done sometimes between November 1 and December 31. Members of the temporary council hold office only until January 1, 1956.

A council member may hold office for two consecutive terms. Then he has to drop out for at least one term.

Council members are to be elected for two year terms. And half of the members are to be replaced each year. So in the election this fall, half of the townships will elect council members for two-year terms. The other half will elect one-year members. The temporary council decides which townships elect the one-year members.

Housing for the extension service is another problem for the council. But it may be deferred until the more urgent items are taken care of.

Interpreting the housing recommendations in the United States Department of Agriculture memorandum which called for separation of Farm Bureau and extension will be up to the local council. That's the word from state extension officials.

Generally it is assumed that Farm Bureau offices and extension offices can be in the same building. But that the offices must be separated by a partition.

The extension service will have to pay rent for office space—in many cases for the first time. Office operations must be kept entirely separate. You'll be able to call the extension service on a separate phone, too.

Some cases may call for a ruling from county attorney—or state attorney general—to clarify points in the law.

Most folks don't expect any big change in county extension work. But the new setup is aimed to keep it free of any political activity.

Rural Route Ramblings

By R. F. D.

IF ANYBODY ever decides to produce a television program about the great American Chump or Boobus Americanus, I want to be contacted for the lead. I can cite my many past performances which will more than qualify me.

A WEEK OR SO ago, our youngest son came home with one, tiny, baby chick. Some hatchery proprietor with a misguided sense of benevolence had presented it to him. Oh, well. I didn't particularly like it, but then I don't like a lot of things which happen to me.

OF COURSE I knew who would feed and care for the tiny stranger. And I must have done a good job because it thought I was its mother and, when I freed it from its box, it followed me about cheeping madly.

AND THEN IT developed coccio . . . cocioоc . . . cocyxico . . . well, what actually happened was that it became ill. Nothing would do, but I must get some medicine which was all right with me.

I WENT to a feed store. Naturally, the place was quite crowded. In fact, at the counter I was fighting to reach, there were two ladies ahead of me and several behind me. The first lady ordered medicine for 500 chicks. The second had a more modest flock of 300. By now I was looking nervously around realizing that I had done it again.

"AND HOW many chicks do you have?" the clerk asked pleasantly. "One," I whispered, hoping he wouldn't hear me. "How many?" he repeated. I took a deep breath and practically shouted, "ONE!" gazing defiantly at the smiling customers.

"ONE," he sighed, wearing a rather defeated, disillusioned sort of an expression. "Did you bring your own thimble?" he asked gently.

"JUST GIVE me the smallest bottle," I said desperately. He did so, and I slunk from the place amid not so subdued snickerings from the other customers.

TO WIND UP this sad little tale, the chicken has disappeared, and I am toying with the idea of drinking the medicine myself.

"You're not trying to swallow!"

Just scatter this bait as you walk and KILL flies

New, easiest way ever to control house flies in and around dairy barns, livestock barns, poultry sheds, out-buildings, stables, garbage disposal areas.

A dry granule bait—kills both resistant and non-resistant house flies.

Simple as shaking salt—Open the shaker can and scatter lightly around fly feeding areas.

Fast! You can bait several hundred square feet in 2 or 3 minutes.

Effective! This attractive-type bait lures flies, they feed and die.

Low cost, too! One pound covers 2,000 square feet of fly feeding areas.

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On all chemicals, read directions and cautions before use.

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116 First St. S. E.

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Graves Farm Store
2825 E. University
Henry Field Seed & Nursery Store
815 Locust Street
Mack's Hardware & Variety
6931 Douglas Avenue
O'Donnell Hardware
1201 Army Post Road
Schweiker's Feed Store
516 E. Walnut

DEWITT
DeWitt Mill & Feed Store
623 10th Street

DUBUQUE
Dubuque Co-op. Dairy Marketing Assoc.
1020 Central Avenue

DUMONT
Wills Implement Company

DURANT
Durant Hardware Store

GRAND MOUND
Grand Mound Hardware

HARTLEY
Almgren Drug

HOPKINTON
Johnson Feed Mill

INDIANOLA
Criswell's Seed & Feed Store

KEY WEST
Hayes Service

MAQUOKETA
Martin Hatchery & Mill

MARSHALLTOWN
Best Hardware
25 West Main

MEDIAPOLIS
Kline Hardware

MINDEN
Market Grain & Feed Co.

MONTICELLO
Farmers Mutual Creamery Co.

MOUNT PLEASANT
Panther's Rexall Drug
100 N. Main

NEVADA
Reedholm Hardware
1039 6th Street

NEWTON
Newton Seed Store
224 North 3rd Ave. West

OELWEIN
Pfeiffer's Drug Store
12 S. Fredick

OSKALOOSA
Upton & Colville
N. Side of Square

PELLA
Bakker & Rus

PERRY
Henry Field Seed & Nursery

PULASKI
Hulls Hardware

REMSEN
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The Secret of Uncle Sam's Expand-able Arteries

The larger part, by far, of the great lifestream of goods that helps keep you and your country strong and vigorous flows through the nation's vital arteries of transportation — the railroads. And this is done with unique economy in manpower, fuel, and other materials.

Perhaps the most remarkable characteristic of these rail arteries is their inherent ability to expand their capacity more readily and with greater economy than any other form of transportation — particularly in times of national emergency. The secret lies in putting more tons in the cars and more cars in the trains.

But if the nation is to have the full benefit of these advantages, the railroads should have greater freedom to adjust their rates and services promptly — greater freedom to compete with other forms of transportation on an equal basis.

Association of American Railroads

Transportation Building, Washington 6, D. C.

National Farm Safety Week is July 24-30. "Your Safety is in Your Hands."

Outside stuff

ALWAYS wash your hands and change clothes after applying residual insecticides. That's one of the rules that Donald Scherich of Taylor county, Iowa, neglected once last summer after spraying his dairy barn with malathion. Result: Scherich became violently ill.

"I knew better," Scherich says. "But I was in a hurry. The baling crew was waiting for me. So I headed for the field as soon as I finished spraying."

You can bet, tho, that Scherich will follow precautions on the label of chemical fly killers that he uses this summer. Incidentally, he says malathion did a good job of controlling flies around his barn.

• • •

WHEN Lewis Morris of Madison county, Iowa, sees a magazine article of particular interest, he clips and files it. Good idea.

Morris' file folder on strip grazing, for example, contains clippings from most of the leading farm magazines and papers. And Morris has found a practical application for some of the ideas that he has clipped and filed.

• • •

CORN is most likely to be damaged by 2,4-D if it's growing fast. The experience of Leo Devereux of Poweshiek county, Iowa, last year emphasized that point. Devereux sprayed to kill buttonweeds when corn was about 18 inches high.

In one field which had been sidedressed with anhydrous ammonia, the 2,4-D killed about one-sixth of the corn plants, according to Devereux. In another field which was not sidedressed, corn was undamaged by the chemical.

The two fields were sprayed at about the same time. And corn was at about the same stage of growth in each of the fields, Devereux says. He figures damage resulted because fertilized corn was growing faster than the other corn.

—Dave Bryant.

"Bill says he can't take over the milking. Nancy, you'll have to go to Niagara Falls alone."

WEEDS Don't Stand a GHOST of a Chance...

WITH

CHIPMAN WEED KILLERS

ATLACIDE—*the Safer Chlorate*: Kills bindweed, Canada thistle, other tough weeds and grasses. Destroys roots . . . discourages regrowth. Backed by over 25 years of good results.

ATLACIDE WITH 2,4-D: Offers dual killing action of chlorate and 2,4-D . . . particularly effective on Canada thistle.

CHLORAX "40": Chlorate-borate combination. Kills deep-rooted perennials; also annual weeds and grasses. Stops regrowth. No fire or poison hazard.

2,4-D & 2,4,5-T Weed Killers
Brush Killer • Methoxone (MCP)

free! Weed Control Booklet

CHIPMAN CHEMICAL CO.
Dept. 5, So. Dearborn St., Chicago, Ill.

PERMCO BUILDINGS
GRAIN STORAGE ERECTED ON FARM, 36c per bu.

POULTRY HOUSING, 16' and 20' Widths

HIGHER FRONT SIDE FOR MORE HEADROOM AND MORE SUNLIGHT

Also 30 and 40 Foot Widths
HOG HOUSES, WING BARN, GARAGES

HOMES DESIGNED JUST FOR YOU
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Feed in plenty is keeping dairy production up almost even with last year—the biggest dairy production year in history.

Boost dairy income

Here are some suggestions that would expand markets and increase dairy pay

What can be done to increase farm income from dairy products? In the following article, Editor Donald R. Murphy outlines some measures that would help.

ARE YOU milking any cows? June is dairy month. It's a good time to look at dairying.

A year ago, when supports were cut, the administration hoped that lower prices would reduce production and increase consumption? What happened??

Milk production for the first four months of 1955 was one percent under the first four months of 1954. In April, production was almost even. Here are the figures:

April, 1954—11,288,000,000 pounds of milk
April, 1955—11,264,000,000 pounds of milk

So we won't have much less milk to sell. Unless the drouth gets worse, we may have more milk than last year.

What about prices to farmers? According to USDA, the price of whole milk to the farmer dropped 7.4 percent from March, 1954, to April, 1955. Milk for cheese and condensed milk dropped more than this; market milk in cities dropped less.

Price of butterfat to the farmer, for the nation as a whole, dropped 9.1 percent in the same period.

Did these price drops increase consumption? With butter, an increase of nine percent with consumers is reported. Butter prices to the consumer did drop. But fluid milk prices to the consumer stayed about the same as a year ago.

Any gains in sales of fluid milk came from sales pressure and from government help for school lunches, not from any drop in price.

This leaves the dairymen facing a number of problems.

Some dairy cooperatives need to do a much better job in marketing milk. Milk sales have increased in towns where dealers give cash-and-carry milk a two to five cent margin over home-delivered milk. Milk sales have increased where dealers give a discount to consumers when they buy two, four or six quarts at a time.

Yet in many places, neither of these obvious methods of increasing milk sales is being used.

One way to get bigger butter sales is to put better butter on the market. Now the government buys up a lot of good butter and holds it until it degenerates.

If all butter were thrown on the market, and if government supports were used as direct payments, more good butter would be sold. Direct payments, as our readers know, means that if butter supports were at 56 cents and if the market dropped to 46 cents, the farmer would get a 10-cent payment on the butterfat he sold.

We need an expansion of the school lunch and special school lunch programs. We also need to start on a food stamp program which would bring dairy products and other foods to around 10 million people on relief. These are mostly folks over 65 and children in broken homes.

None of these things will happen at once. Until they do, dairymen will weed out poor cows, try out more efficient methods of feeding, get labor-saving equipment and continue to needle dairy cooperatives and congress to get moving on basic reforms.

What's New for Farmers?

...by Sinclair

New Seris

"Double-Deck" Soil Builder...

plants fertilizer up to 6" deep in prepared seed bed, and at the same time plants vetch, clover or other cover crops at most desirable depth above fertilizer. With easy tool-bar mounting on almost any tractor, it is also useful in applying side dressing to cotton, corn or other row crops.

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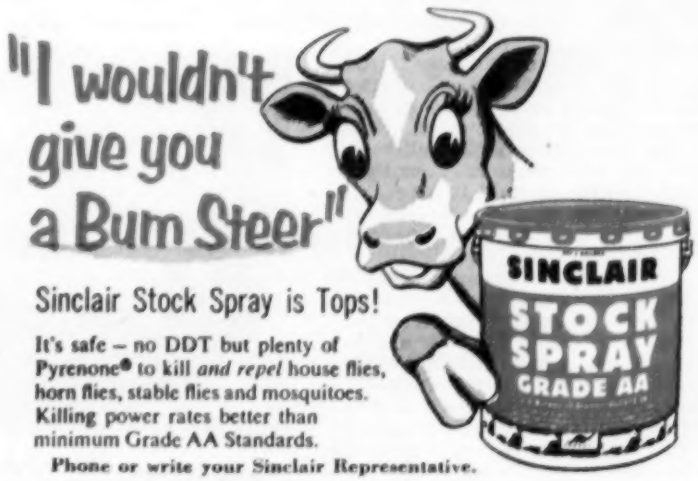

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It's safe—no DDT but plenty of Pyrenone® to kill *and repel* house flies, horn flies, stable flies and mosquitoes. Killing power rates better than minimum Grade AA Standards.

Phone or write your Sinclair Representative.

I WAS JUST FIGURING...

by Cy Watkins

Do you sometimes wish you were a big cheese? What the government calls a V.I.P. (Very Important Person) . . . or a famous athlete or movie star?

Maybe sometimes you look at somebody just your age who's real "successful," and for a minute you ponder on how you've wasted your life on raising hogs . . . when you could have been a Vice President of a big corporation.

Sometimes those thoughts strike me. But I sit and whittle awhile and they go away . . . like indigestion.

I guess some folks think the way to be happy is to be a big cheese . . . "be a person to be reckoned with." That was the way Mr. Hitler was, and there are a lot more of his type around . . . only they're not quite so "successful."

They spend their lives struggling to get to "the top" so they can be important to other people . . . but they're important by dominating other people. There CAN'T be any lasting satisfaction in that.

One thing I've learned in my years on this earth is this: The really lasting source of personal satisfaction, the only "importance" that lets you sleep soundly, comes from BEING USEFUL to other people. Serving your family and friends . . . people in general.

This doesn't rule out the V.I.P. type. It doesn't mean just organized service, like being on the school board. There are a thousand and one simple everyday ways of serving. A word of encouragement for the youngster. A compliment for the wife. A good word for a neighbor instead of gossip. There's nothing weak-sisterish about that . . . it's just more fun to be liked and needed than to be hated.

I hope I'm a V.I.P. to my kids and family. I hope my neighbors would miss me if I didn't stop by every few weeks. That's the only kind of big cheese I want to be.

THERE'S NOT MANY VITAMINS IN GRASSHOPPERS

It's a big temptation for a busy farmer to breathe a sigh of relief that spring has sprung, and turn the chicks out to scratch for themselves. A lot of folks think that once they're on range that nature will give them all those mysterious vitamins and things. "Heaven will protect the woiking goil," so to speak.

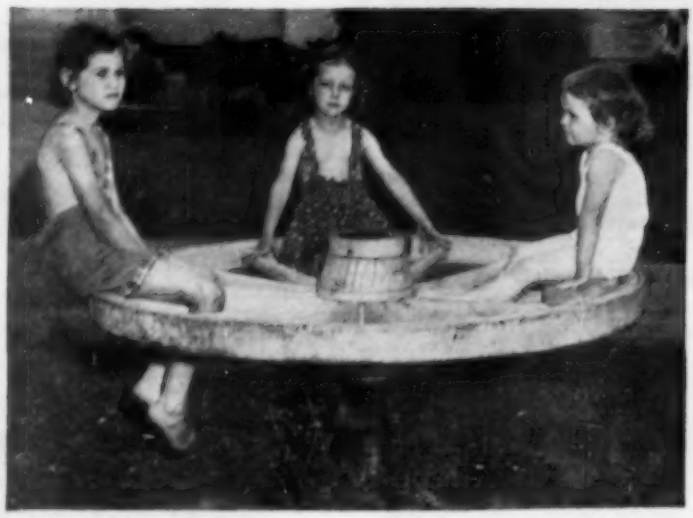
Well, I'm sorry to say IT JUST AIN'T SO.

That's because the super-birds we're breeding today need extra amounts of minerals and vitamins to build good bodies for laying . . . and there's not many vitamins in grasshoppers.

Here's the thing. Those birds that're growing now are building the machinery to hit 60 to 70 percent production next winter. Now if that machinery isn't well-built they just won't make it . . . or they won't be able to hold it long . . . and then all of your investment and overhead will be charged against broken-down birds.

It's easy and inexpensive to give them the little supplemental growing feed they need. Your Watkins Dealer has the formula for a supplement that's designed specifically for growing birds on range . . . it's based on our famous Min-Vite for Poultry (with Methionine and Penicillin). I hope you'll talk it over next time you see him.

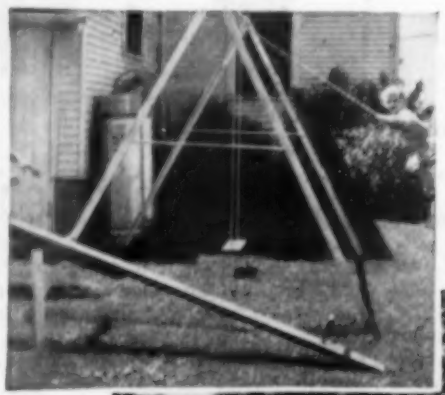
The J. R. Watkins Co., Winona, Minn.



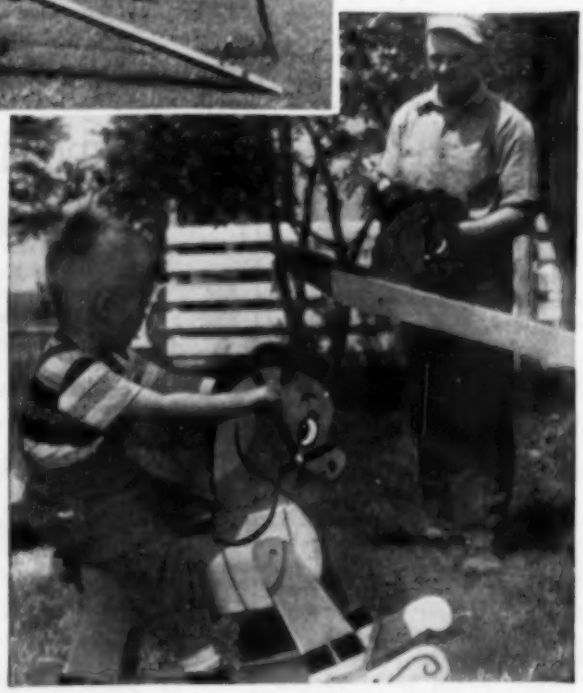
Wagon wheel to merry-go-round. Norman Nellen of Carver county, Minn., built this. Base rests on concrete. Boards provide seats for Nellen children.

For summer fun

Play area for kids keeps them occupied and out of trouble; here are ideas



Swing set was built in farm shop by Clifford Cruzen, Mahaska county, Iowa. Complete with teeter-totter attachment.



Rocking horse was made by Gwendell Holste, Cass county, Iowa. In background, he paints new teeter-totter.

No splinters from this sandbox. And side of casing makes a comfortable seat for children.

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Weed control in small grains, pastures	Spraying boosts crop yields, improves pastures.
Spray livestock, apply fertilizer	Use your Century sprayer to free your *livestock* of insect pests that cut gains and milk production. Spray trees, shrubs, buildings. Apply liquid fertilizers.

Century All-Purpose Boom Sprayer—sprays more without refilling. Simple, quick mounting, fits most tractors. Complete tractor seat control. 14, 21, 28 ft. booms. Adjustable row spacing. Also available in aluminum for nitrogen spraying. Tractor or trailer mounted. Prices start at $143.50.*

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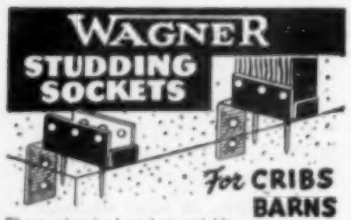

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Borer moths set to lay eggs

Two weeks ahead of normal. Look for infestation in tallest corn

CORN borers are ahead of schedule by about two weeks. In fact, some of the borer moths are ready to lay eggs this week.

Weather can make a difference in egg-laying activity. Warm, calm evenings encourage egg laying.

In fact, the moths won't lay eggs when the temperature is below 65 degrees, says Dr. Harold Gunderson, extension entomologist at Iowa State College. Night temperatures are what count. That's when the moths lay eggs.

So you can see why corn borer experts say that good corn weather is good weather for borers.

Early borer moths usually head for the tallest corn in the neighborhood to lay their eggs. And it's likely that they'll find some corn big enough to be attractive. Corn in some areas—like the borers—is ahead of normal.

Borer eggs usually hatch in five to seven days. If corn is still small, most of the baby borers will die after hatching. Chemical control usually doesn't pay until corn is at least 35 inches in extended height.

So it's still too early to know for certain as to whether or not you'll need to spray for control of first brood borers. But the time when you'll have to make the decision is getting closer. Here's the recommendation from corn borer control experts at Iowa State College.

Keep a close watch on fields. Check for egg-laying activity. Spray with one and one-half pounds of DDT when:

1. Seventy-five percent of the plants show evidence of recent feeding by the borers.

2. Or 10 to 14 days after the first hatch, if there are 50 or more egg masses per 100 plants.

Usually, you'll find egg masses near the midrib on the underside of corn leaves. They'll be deposited in clusters of 15 to 25, overlapping like scales on a fish.

The egg clusters are flat and measure about one-fourth inch in diameter. Eggs that are about to hatch have a distinct black center—due to the black head of the baby borer being visible thru the shell of the egg.

Leaf feeding may show up as "shot holing" along the midrib of the leaf. And you'll find evidence of leaf feeding also near the whorl of the plant.

Iowa's population of overwintering borers was second highest in history. April and May weather was generally favorable for borer development.

Big Hopper Hatch In Some Areas

A big hatch of grasshoppers has occurred in southern and western Iowa. That's the report from entomologists at Iowa State College.

Now is the time to control hoppers. It pays to use chemical control when you find five or more young hoppers per square yard. And insect control experts report finding as many as 10 hoppers per square yard in pastures and thin hay fields in southern and western Iowa counties. They've found up to 20 per square yard in field edges, lawns and gardens.

Insecticides recommended for hopper control include heptachlor, aldrin, chlordane, toxaphene, dieldrin and gamma BHC.

Missouri insect control experts report that young hoppers are abundant in most parts of that state also.

Extra grain storage...

Part of old horsebarn haymow was converted into storage space for 4,000 bushels of oats this year on the Herb Pike farm in Monona county, Iowa. Haymow floor and supports were reinforced to give Pike extra grain storage space at relatively low cost.

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MOST NEW IDEA DEALERS prefer to show New Idea equipment working out in the field, rather than in a showroom. Ask your New Idea dealer to bring the mower model you want to your farm for a trial (semi-mounted or full-trailing — with or without hydraulic lift).

Only by working a New Idea mower can you satisfy yourself it really does cut clean on sharp turns — shears easily through the thickest stands. Test New Idea Mowers these three ways... There's absolutely no obligation of any sort.

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Community backs young folks

When bad luck hits

"IT'S HARD," says Mrs. Lyle Houts of Atchinson county, Missouri, "to do chores with the children around. But I don't know what I'd do without them."

TROUBLE for Mr. and Mrs. Lyle Houts started when the stock tank heater exploded. Lyle was terribly burned. That was a year ago last January.

It was a good thing that these Atchinson county, Missouri, young people couldn't see ahead at that time. Two weeks after Lyle's accident, their second child was born. Later that summer, Velma (Mrs. Houts) had to have surgery. A year and a half later, Lyle is still in a hospital in Omaha, making slow gains.

COOKING, CARING for the children, and working outside make time pass for Mrs. Houts while waiting for her husband's release from the hospital.

After the first shock of the accident was over Velma and Lyle talked things over.

They decided that Velma would have to rent the farm, take the children and live in town.

What can a woman do on a farm alone, they reasoned, when she has a tiny baby and an active three-year-old? And after all they couldn't expect their friends and neighbors to go on doing the chores indefinitely. It was a hard decision to make.

They had had great hopes for the farm they were buying. The basement for a new house had been completed. The prizewinning Angus calf that Lyle had raised in his 4-H club days years before had now produced a herd of 14 registered Angus cattle. They had a good start on sheep, hogs, chickens, etc. Could they ever get started again?

But while they were planning, their community was also planning for them. Lyle and Velma were young, but they had already made a place for themselves in the neighborhood.

At the time of his accident, Lyle was serving on the school board, and Velma was a 4-H club leader. They were both active in church work. Both were loved and respected by their friends and neighbors.

The men and the women from the community got together. They knew that the young people needed every bit of income they could get from the farm. The neighbors decided that they would see to it that the crops were planted and harvested until Lyle could do it himself again.

For three seasons now, these neighbors, coming from all over the county, have turned out to plow, to plant, to harvest and to plant again.

Velma says that 14 or 15 men with tractors come early in the morning, and by night the corn crop is in. The same thing happens when it's time for cultivating, harvesting, for fixing fences and other farm jobs.

If this is a hardship for busy farmers, they don't admit it. Each job is a social occasion. Often women come along with their husbands bringing food for dinner and supper. They bring their children along, and everybody has a good time.

The community didn't stop with giving their time and fieldwork to Velma and Lyle. As doctor and hospital bills mounted, the neighbors began to feel a personal responsibility. Last winter, they went together and held a "Good Neighbor" sale.

Folks in Hamburg, Iowa, the nearby town, became interested. Farmers donated calves, chickens, feed or whatever they had. Women brought baked goods and handwork articles to the sale.

In spite of the bad weather that day, the sale was a success, and Velma was able to turn over a sizable amount to the hospital to pay on their indebtedness there.

At home on the farm, Velma is working hard, but there are compensations. Her sheep did unusually well at lambing time. She has a large garden and cans a lot of the food she and the children will need this winter. She milks two cows a day, feeds the cattle, hogs and chickens, besides taking care of her house and the two little boys.

Velma visits Lyle every weekend and watches his slow progress toward health.

Velma has the satisfaction of seeing their children grow and develop normally. She waits patiently for the time when Lyle will be home again.

The young people have had more than their share of bad luck, but they feel it was their good luck that they happened to live in a wonderful community. The faith and the help of their friends and neighbors keep them from being discouraged.—Z.M.

Homemaking Today

Edited By ZOE MURPHY

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Summer Shower of Dairy food values

Enjoy this festival of better living. Your grocer is featuring economical and delicious cheeses, butter, evaporated milk, cottage cheese, ice cream . . . milk in all its nutritious forms.

June is dairy month

IOWA DAIRY INDUSTRY COMMISSION
State Capitol, Des Moines

Voice of Iowa's Dairy Farmers
American Dairy Association of Iowa

SERINDA is a happy healthy little girl. She is the daughter of Mrs. Thelma Scheper, Scott county, Iowa. Her father was sent to Korea with the armed forces and didn't return.

Cookery corner

Strawberry-Pineapple Salad

- ½ large head lettuce
- 1 pint fresh strawberries
- 2½ cups fresh pineapple wedges
- 1 tablespoon sugar
- 2 tablespoons French Dressing
- Sour cream dressing (optional)

Wash lettuce; dry thoroly. Tear into bite-sized pieces, and place in a salad bowl. Arrange sliced strawberries and pineapple wedges over the top. Sprinkle with sugar. Toss with French dressing. If not counting calories, serve with Sour Cream Dressing.

Sour Cream Dressing

- 1 cup sour cream
- 2 tablespoons sugar
- 1 teaspoon lemon juice
- 4 marshmallows, diced

Combine all ingredients. Serve over Strawberry and Pineapple Salad or other fruit salads.

No-Bake Macaroons

- 2 cups sugar
- ½ cup butter
- ½ cup milk
- 1 teaspoon vanilla
- 3 cups quick-cooking oatmeal
- 1 cup shredded cocoanut
- 6 tablespoons cocoa
- ½ cup chopped nutmeats (optional)

Mix together the sugar, butter and milk. Boil one minute. Add vanilla. While this is cooking, put the oatmeal, cocoanut and cocoa into a mixing bowl. Pour the boiling mixture over these dry ingredients Add the nuts, and drop by spoonfuls on waxed paper.—Mrs. Fred Kraft, Wright county, Iowa.

Bavarian Cream

- 1 envelope plain gelatin
- ¼ cup water
- 1¾ cups milk
- ½ cup sugar
- 2 tablespoons cornstarch
- ¼ teaspoon salt
- 2 eggs, beaten
- 1 teaspoon vanilla
- 1 cup whipping cream

Soften gelatin in cold water. Bring milk to a boil. Mix the sugar, cornstarch and salt together. Add to the hot milk. Bring to a boil, and cook until thickened, stirring constantly. Add hot custard slowly to the beaten eggs, and return to the heat. Bring to a boil, stirring constantly. Dissolve the softened gelatin in the hot custard; cool. Add the vanilla, and fold in whipped cream. Pour into a mold, and chill thoroly. Unmold, and serve with the following cherry sauce.

Cherry Sauce

- 1¼ cups cherry juice
- 1½ tablespoons cornstarch
- ½ cup sugar
- Dash of salt
- 1 tablespoon butter
- 1 cup cherries (pitted)

Bring the cherry juice to a boil. Mix the cornstarch, sugar and salt together, and add to the hot juice. Stir constantly until the sauce boils. Remove from the heat, and cool slightly. Add butter and cherries. For extra flavor, add a few drops of almond extract.

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Crown Imperial
FREEZ-TAINERS

Easy-to-clean, easy-to-use Imperial Freez-Tainers stretch food budget dollars. These unbreakable, all-polyethylene containers have handy measuring lines. Snap-on lid makes airtight, spillproof seal. 16, 25, 32 oz. sizes. At all better stores. Get yours today!

Crown also makes the Original Freez-Tainer, Crown Mason Jar Caps, Crown Freezer and Home Aluminum Foil

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Sure! The fightin's stopped in Korea . . . but the war against death is never over! The fighting continues relentlessly in homes and hospitals all over America. And the greatest defense weapon of all is blood. Yes, *blood saves lives!*

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GIVE BLOOD NOW!

CALL your Community or Hospital Blood Bank or Local Red Cross Chapter.

Slow Down and Live

MR. AND MRS. CARROLL SANDELL and daughters Joyce (left) and Sharon show some of the things that Carroll has produced in his farm workshop.

Lamps, tables, from farm shop

CARROLL STANDELL of Webster county, Iowa, likes to work with wood. On vacations, he delights in collecting pieces of unusual woods like cyprus from Florida, myrtlewood from Oregon and cactus wood from Arizona.

At home he transforms this wood into trays, tables, lamps, shelves and other items. For Mrs. Sandell, he has made beautiful end tables with matching lamps from California redwood.

Daughters Sharon and Joyce have lamps, shelves and knick-knaps for their room. The family is enthusiastic about Mr. Sandell's hobby.

CACTUSWOOD lamps and the decorative shelf above the stove are a part of the Sandell woodworking hobby.

CARROLL SANDELL and daughter Joyce discuss the merits of a new cypresswood lamp.

Great News for Farm Families!

FOLGER'S IS FIRST TO BRING FULL FLAVOR TO INSTANT COFFEE

Now a modern coffee...Instant Folger's... that gives you FULL, RICH FLAVOR never before achieved in an Instant Coffee!

Here is a great new coffee specially made to bring you flavor ...the *full flavor* you've looked for yet never found in a quick, easy-to-make Instant Coffee.

Developed by a new, years-ahead process, Instant Folger's captures and brings through to you *all* the goodness ... *all* the true flavor of nature's choicest Mountain-Grown coffee.

And what a flavor it is! Full, rich and satisfying, with a distinctive tangy taste all its own.

So in your busy world of today, get the modern coffee, Instant Folger's, not only for its convenience and economy, but for its *flavor* . . . the full, rich flavor that is causing husband after husband to say..."This is *great* coffee ... the best I ever tasted."

AT YOUR GROCER'S IN CONVENIENT 2, 4 AND 6-OUNCE JARS

IT'S MOUNTAIN GROWN...

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Home-Canning Tips and Toppers by Lucina Ball

FARM CHILDREN START LIFE WITH EVERY IMPORTANT ADVANTAGE. THEY LEARN THRIFT AND INDEPENDENCE in so many ways . . . for example, by doing home canning. Encourage them to put up the surplus from your garden and orchard—it's wonderful training for home-making years ahead!

New Season—Old Reasons

Whether you can foods at home to save time, taste or waste, prepare *now* for early fruits and vegetables. Discard all jars with nicks or sharp spots, replace with shining new Ball Jars—the *only* kind that comes with famous Ball Dome Lids.

Love at First Glance!

You'll love that *clean*, cream-white *enamel* lining and firm *red* rubber seal. It'll be love at second glance, too—Ball Dome Lids look just as clean when removed months later! And one glance shows why your foods will keep . . . dome *down*, jar *sealed!* Ball enamel lining is an extra safeguard for high-acid foods, such as . . .

BAKED RHUBARB

Cut rhubarb into 1½-inch pieces. Add 1 cup sugar and ½ teaspoon spice to each quart of rhubarb. Bake until tender. Pack hot into hot Ball Jars. Process 5 minutes in boiling-water bath.

Try This for Small Fry!

Dabs of food that won't quite fill another jar are fine for baby foods. Cook, strain or chop, pack in half-pint Ball Jars and process in your small cooker. Grand for babies, great for visiting grandbabies!

Home Canning Recipe Book!

300 recipes, 64 pages, step-by-step instructions in full color. Send 25¢ in coin to: BALL BLUE BOOK, Dept. W615, Box 5, Muncie, Indiana.

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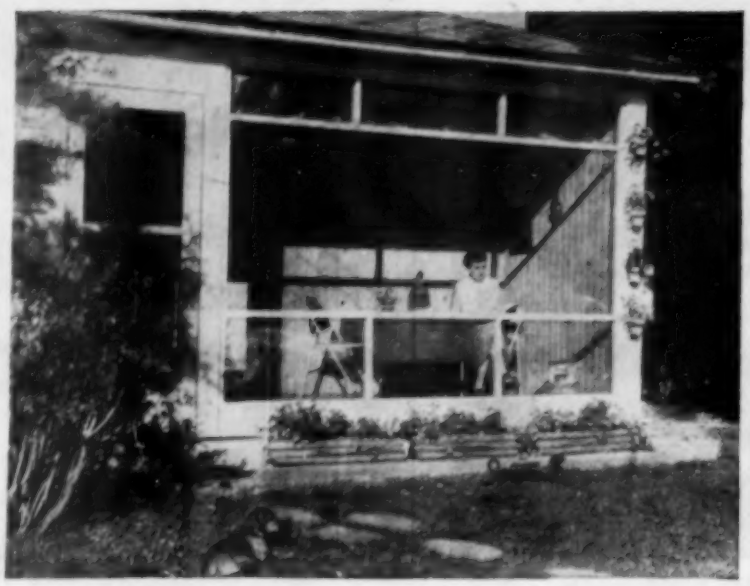

MRS. AMOS SHRIVER, Greene county, Iowa, enjoys her cool east porch. Rustproof screening, knotty pine walls and attractive linoleum make it a comfortable summer room.

Country air

BY THE time your boys are 30, you may learn all about the childhood fantasies of their boyhood years. As we all drove along the south road bordering the farm, we allowed ourselves some moments of nostalgia. The landscape was changed. The catalpas were gone. The old willows were gone too.

❦ ❦ ❦

"There aren't any gouches (rhymes with couches) any more," said the father of half my grandchildren. "There's half of one gouch over there to the southwest," said the father of the other half of my grandchildren. "What's a gouch?" I asked searching my mind for a family phrase I had forgotten.

❦ ❦ ❦

It seems that several clumps of trees on the horizon were grouped to look like two lions or tigers crouched and glaring at each other. "I was kind of scared of them when I was a kid," said one. "What did they do?" I asked. "Oh nothing—just looked that way." Neither boy remembered why they called them gouches. Certainly I'd never heard the word before. Probably because I never rode in from the field on a load of hay overlooking the horizon with two imaginative small sons.

❦ ❦ ❦

But it wasn't my sons' day. It wasn't Mother's Day except in the advertisements. It was grandmother's day. It's the first time I've had all six of my grandchildren together—from the two five-year-olds to the newest four months old baby.

❦ ❦ ❦

Was it possible that we had corralled them all in the same place at the same time? All weekend I had been in a blissful state of confusion. I couldn't keep track of who was having a nap, who could have a cookie now, who'd already had two, who had an allergy or just a distaste for certain foods, who should go to the bathroom, or whose voice was raised in a wail of righteous anger or joyous laughter.

❦ ❦ ❦

The three-year-old grandson came crying to his father. "What's the matter, son?" "I'm crying," he said That was obvious, but it was all the explanation he thought necessary. "Wipe my tears," and the incident was closed. If only we grown-ups could be as brief when asked, "What's the matter?"

❦ ❦ ❦

We lined up all the younger generation on the davenport in order of their ages to have their picture taken with grandma. One emphatically and tearfully refused—the one whom I had always said had the sweetest disposition of them all. He walked out on us leaving a blank spot where his age indicated he should be.

❦ ❦ ❦

The five-year-olds start to kindergarten this fall. The three-year-olds will develop stronger personalities. The babies started developing distinct personalities when they started on their first can of baby food.

❦ ❦ ❦

As I peeked over my shoulder at the back seats of the station wagon full of brown heads, blonde heads, crew cuts and pony tails (we don't run to curls in our family) it was impossible to believe that all those were now my family.

❦ ❦ ❦

The paper with colored crayon sketches, the half eaten cookie, the dabs of modeling clay on the card table, the calico cat somebody left behind, the half eaten bowl of cereal tucked in the cupboard, the wilted flower somebody brought to grandma, the crumpled napkin under the table are all picked up and put away. But I'm leaving the smudges of little finger prints on the window pane for a week or two—it's proof positive they've been here and less lonesome that way.—**Elizabeth C. Wherry.**

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With this ad, one roll of film developed and one enamel finish jumbo print from each negative in an Album folder, plus one 5 x 7 Super Gloss enlargement in a plastic bound cover—

8 exposure roll 35c
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Dept. WA Charles City, Iowa

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TOWER PHOTO COMPANY
Dept. W Charles City, Iowa

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These are strong young plants that will be found very satisfactory for planting in the yards or garden. PLANTS ARE READY FOR DELIVERY APRIL 15th to JUNE 15th. Any color or mixed.
BUCKLEY GERANIUM CO. Springfield, Ill.

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12 Hardy Garden Chrysanthemums or 50 blooming size Gladioli for $1.00. Both Mixed colors. Ritz Mums or 25 Glads Free with $2.00 order. All postpaid. Planted in June both bloom this fall.
BURNETT GARDENS HUDSON, INDIANA

TOMATO PLANTS—Large, Stalky. Earliana, John Baer, Marglobe, Rutgers. 200 75c; 300 $1.00; 500 $1.50; 1000 $2.50. Postpaid.
CULVER PLANT FARMS, Mt. Pleasant, Texas

Slow Down and Live

Jams and jellies for winter use

Preserve the luscious fruits of summer for winter meals

ONE way to prolong the summer months is to preserve much of your summer's fruit for use next winter. Good jellies, jams and preserves will do more to recall June days than the best picture you ever took.

When the strawberry patch is at its peak, be sure to make a few glasses of delicate sunshine preserves.

Be sure to put up plenty of other kinds of jams and jellies. Here are a few suggestions:

SUNSHINE STRAWBERRY PRESERVES

Wash eight cups of strawberries and put into a preserving kettle in alternate layers with nine cups of sugar. Add the juice of one lemon, and heat slowly to boiling. Boil gently for 10 minutes. Pour into sterilized glasses, and set in the sun for three days. Seal with paraffin. While in the sun, place a sheet of glass over the tops to keep out dust.

CHERRY JAM

4 cups prepared fruits
¼ cup lemon juice
5 cups sugar
1 box powdered fruit pectin

Stem and pit about three pounds of fully ripe sweet cherries. Chop fine and measure four cups into a large saucepan. Squeeze and strain juice from two medium lemons. Measure one-fourth cup into the saucepan.

Measure the sugar and set aside. Add the pectin to the fruit and mix well. Place over high heat and stir until the mixture comes to a hard boil. Stir in the sugar. Bring to a full rolling boil and boil hard for one minute, stirring constantly. Remove from heat. Skim off foam with metal spoon. Cool slightly to prevent floating fruit. Ladle quickly into glasses. Cover jam at once with one-eighth inch hot paraffin.

RASPBERRY, STRAWBERRY-CHERRY JAM

2 pints strawberries
2 pints raspberries
1 or 1½ pounds cherries

Equal amount of sugar by weight of all fruits.

Combine all the ingredients and boil 25 minutes. Add one-half cup lemon juice and boil two minutes more. Remove from fire and allow to cool. When cold, pour into sterilized glasses and seal with hot paraffin. When these preserves are finished they may look as if they were too thin or runny. But the consistency thickens on standing.

RHUBARB-STRAWBERRY JAM

2 pounds strawberries
2 pounds rhubarb
6 cups sugar

Wash the fruit. Cut the rhubarb into one-half inch pieces. Cover rhubarb with half of the sugar and let it stand for one to two hours. Crush the berries; mix with the remaining sugar and combine with the rhubarb. Heat the mixture over low flame until sugar is dissolved. Then boil gently, stirring frequently. Cook until thick.

BLACKBERRY, CHERRY AND RASPBERRY JAM

4 cups prepared fruit
7½ cups sugar
1 bottle liquid fruit pectin

Thoroly crush about one pint of blackberries and one pint red raspberries. Stem and pit about one and one-half pounds ripe, sweet cherries. Chop fine. Combine fruits and measure four cups into a very large sauce pan.

Add the sugar to the fruit in the saucepan and mix well. Place over high heat. Bring to a full rolling boil and boil hard for one minute, stirring constantly. Remove from heat and stir in fruit pectin.

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DEEPRIME JET

Nothing else like it for uninterrupted water service... low operating cost

It's the greatest advance in pump engineering since Jacuzzi invented jet pumps. It's designed for shallow or deep wells to 300 feet. Hundreds already in use. Don't settle for less.

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STALK SHREDDER

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Our food could make friends

But dumping makes other nations mad; food must go direct to hungry folks

WE HAVE farm products piled up in this country. This extra food and fibre depresses farm income.

Many countries have hungry people. These hungry people are likely to line up against us in the world struggle now going on. War might result.

And besides, backward nations with hungry people are not good customers for the things we have to sell. And a poorly fed people is unlikely to make economic progress.

So why don't we use our food to make undernourished peoples friendly with us and strong? Each such nation lessens the prospect of war.

This can be done. But it's not as simple as it sounds. Forced exports of food can make friendly nations very mad at us. Let's examine the reasons. Then try to see how our food can be used to make friends.

It's a fact that foreign farmers are about as scared about our food surpluses as American farmers are.

Canadian and Australian farmers don't want Americans to take their markets. Even the farmers of Burma fear that we'll use our rice surplus to take their Asiatic markets.

And the food merchants in almost every country fear cut-rate food products in their markets. It would be very disturbing to their business.

So just dumping our surplus food in other countries will not make good will for us.

Neither will it feed the hungry in those countries. Mostly it would displace the food supplies now being distributed.

If we send them our surplus food blindly, or just to solve our own problems, no permanent good will be done with it.

Then how can American food supplies be used to help ourselves and the people of other countries permanently?

The food must be distributed to people who otherwise would not get it. To folks who can't buy in the markets at regular prices.

This will require technical help as well as food. And there are some American methods that point the way. Other new ones may have to be found.

Something like the school lunch or food stamp plans may serve as models. Or the industrial lunch plans used in some cities.

Perhaps organizations like CARE can get food to people who would not otherwise get it.

With these methods, or modifications of them to fit conditions in other countries, our food can reach the undernourished. There will be more work, less chance of disturbances.

But still food production will not be discouraged in other countries, including the one where the food is distributed.

Food used in this manner will build good will instead of making nations mad at us as disturbers of world food markets.

Such a food distribution program would help nations to organize their own production both of farm and industrial products.

And that's very important. For after all, the solution of these problems lies in building up the productivity of the so-called backward peoples. Then they can take part in world trade and lift their standards of living.

Does this approach to the food export problem interest you? Then you should read "Using American Agricultural Surpluses Abroad" by Howard R. Tolley.

This 28-page pamphlet is a report of the National Planning Association. Donald R. Murphy, editor of Wallaces' Farmer and Iowa Homestead, is chairman of the NPA Agricultural Committee. The price is 50 cents, and orders may be sent to this publication.

"I like farming. My trouble is to find a girl with enough acres on which to start."

NEW TWIN HOIST FOR FARM TRUCKS

"Teleramic" twin hoist makes a dump truck out of your farm truck.

Here is a hoist farmers have been looking for. Especially designed for lowest loading height, new weight distribution for greatest legal payloads, and lighter weight to beat high license fees. This Anthony "Teleramic" twin telescopic hoist is built to take it under roughest duty farm work – a low cost way to do hundreds of farm hauling jobs. IDEAL AS A REPLACEMENT HOIST, TOO. Write for new free literature.

Sold by these authorized distributors, or your local truck dealer.

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Recommended INSECTICIDE CONCENTRATE

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Mixes 1 to 4 with #2 fuel oil, diesel oil or petroleum distillate for use in cattle oilers. Mixes up to 1 to 48 with water to spray for residual control of Horn Flies, House Flies, Stable Flies, fleas, gnats and mosquitoes . . . only $7.50 per gal.

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Order 1 Gal. of Methanox with each Cattle King Oiler ordered. Send check with order, and get both for only $26.25, parcel post prepaid. C.O.D. plus postage, if you prefer. Money-back guarantee! Order direct.

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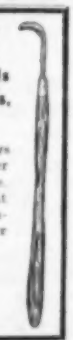
Cattle King Co., Box 114-W, Omaha 12, Nebr.

NEW WEED HOOK

Tool for hooking tough weeds out of soybeans, corn, oats, wheat, maize, etc.



High tempered carbon steel blade stays sharp. Sturdy hardwood handle. Lighter and easier to use than hoe or corn knife.

Get set for big troublesome weeds that are injurious to crops and hard on combines. Write for information or order now. $1.65.

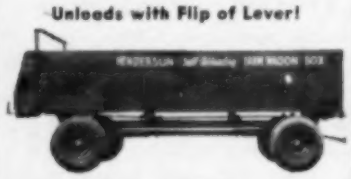
DEALER INQUIRIES INVITED

W & H MANUFACTURERS
Nebraska City, Nebr.

Henderson

All Steel Self-Unloading FARM WAGON BOX

Unloads with Flip of Lever!



SAVE MANPOWER

It's a longer life GRAIN-TIGHT Box; requires less maintenance. One-man operation, powered by tractor P.T.O., unloads in one minute. Heavy duty enclosed worm and gear drives the heavy chain conveyor. Box is 6 ft. wide, 14 ft. long, with 24 inch high sides (standard). Capacity—150 bu. shelled corn. Wt. 1850 lbs. Saves time, money, BACK ACHES! Get details now!

Flare Type Box Also Available

FILL & MAIL TODAY

HENDERSON MFG. CO., INC
Cedar Rapids, Iowa

Without obligation send me full information on ..... straight box, ... flare box.

NAME.....
ADDRESS..... W645

EASY TO KILL GERMS IN DRINKING WATER!

Don't risk having your entire flock infected by the drinking water. Kill cholera, typhoid, pullorum germs, and viruses of bronchitis, Newcastle, and pox with Corn King Hydro-Cide. Get tasteless, odorless Hydro-Cide, liquid or tablets, from your dealer . . . or order direct, 100 Hydro-Cide tablets only $1.00 postpaid.

Corn King

E-22 CEDAR RAPIDS, IOWA

Nagging Backache Sleepless Nights

Nagging backache, headache, or muscular aches and pains may come on with over-exertion, emotional upsets or day to day stress and strain. And folks who eat and drink unwisely sometimes suffer mild bladder irritation . . . with that restless, uncomfortable feeling.

If you are miserable and worn out because of these discomforts, Doan's Pills often help by their pain relieving action, by their soothing effect to ease bladder irritation, and by their mild diuretic action through the kidneys—tending to increase the output of the 15 miles of kidney tubes.

So if nagging backache makes you feel dragged-out, miserable... with restless, sleepless nights... don't wait...try Doan's Pills...get the same happy relief millions have enjoyed for over 60 years. Get Doan's Pills today!

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You get highest prices and prompt payment when you ship your feathers to Midwest, known for dependability throughout the country.
MIDWEST FEATHER COMPANY
1447 Blue Island Avenue Chicago 8, Illinois

White Pekin Ducklings—25, $8.00; 50, $15.50; 100, $30.00. Rouen—25, $10.00; 50, $19.50. Postpaid. Scheckel's Hatchery, Springbrook, Iowa.

DUCK AND GOOSE EGGS. (35 varieties.) Wild Mallard and Pearl Guinea eggs. $2.00—10 prepaid. Stock $2.00 each.
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U. S. Approved Pullorum Clean Chicks. Rocks, Reds, Wyandottes, Leghorns, Austra-Whites, Minorca-Leghorn. Heavy assorted $8.95. Lights $7.95. Leghorn Cockerels $1.35. Postage Collect.
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STOUFFER'S U. S. APPROVED PULLORUM CLEAN CHIX—Delaware, New Hampshire, Rocks, Leghorns, Austra-Whites, Min-Leghorns $12.90. Heavy assorted $9.95. Light assorted $7.90. Large Leghorn Cockerels $2.95. Postage collect.
STOUFFER'S HATCHERY, LENA, ILLINOIS

LEGHORNS, AUSTRA-WHITES, MINORCAS, $8.95; Pullets, $16.95. Rocks, Reds, Wyandottes, Hampshires, $8.95; Pullets, $13.95. Heavy Assorted, $6.45; Leftovers, $2.99. Bloodtested, Healthy Chicks. F.O.B. Catalog.
BUSH HATCHERY CLINTON, MISSOURI

Night and Day . . .

SLOW DOWN and LIVE!

The Farm Flock

EGG GRADING LAW was signed by Governor Hoegh on May 24. The law will go into effect July 4. All eggs will be bought by grade after that date.

▼ ▼ ▼

EGG INCOME will depend upon how many top quality eggs you produce. The market price will be based on grade A eggs. You should get higher prices than in the past for good eggs, but prices for low quality eggs may be lower than "current receipt" market prices. However there will be no "current receipt" markets after the new egg law goes into effect.

▼ ▼ ▼

IOWA POULTRYMEN, feed manufacturers and dealers have organized the Iowa Poultry Products Organization. The IPPO members will contribute funds to promote poultry products produced in the state. And to help the national promotion of poultry products by the Poultry and Egg National Board. Increased consumption of Iowa eggs and poultry is the goal of the new organization. You can help by becoming a member, using more poultry products and by telling your city friends new ways to prepare poultry products for the family table.

▼ ▼ ▼

ROOSTERS CROW when movie directors want them to sound off. The trick is done by confining the birds in coops so low that they can't stretch their necks to crow. When coop cover is lifted, they crow immediately and often.

▼ ▼ ▼

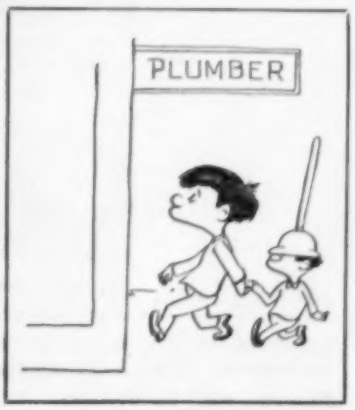
WORMS CAN do great harm in a flock. Besides slowing up growth, these pests lower birds' resistance to disease. To get rid of worms, treat hens with worm killers. Clean up old litter, and haul it away from the house and yard. Use hot lye to clean floors and pens of worm eggs.

▼ ▼ ▼

WATER FOUNTAINS in the laying house will have to be cleaned daily in warm weather. Mash from hens' bills washes off in the water and will cause the water to go sour unless cleaned daily. Same applies to pullets on range.

▼ ▼ ▼

SHARE POULTRY profits with your teenage boys and girls. They take special interest in a flock where they can expect special return for closer attention and extra work.



A telephone just inside the door of his chicken house helps Henry Beyer several times a day.

HENRY BEYER CUTS TIME AND LABOR TO

Make Egg Production More Profitable

HENRY BEYER produces a lot of corn, oats and soybeans on his fertile 160-acre farm. But egg production is an important side activity, so Mr. and Mrs. Beyer spend many busy hours in their modern 2-story chicken house.

The house has roll-away type nests and automatic self-feeders and waterers. A ventilating system completely changes the air every three minutes.

Mr. and Mrs. Beyer have about 800 white leghorns now and will soon bring the house up to its 1,400 capacity.

Mr. Beyer says one of the most useful timesavers in his chicken house is the telephone — "and to me time means money." Mrs. Beyer agrees that it's wonderful to make and take phone calls without walking up to their home.

"Our chicken house phone is so helpful," says Mr. Beyer, "we wish we'd had it sooner.

"I'd say that phone is one of the handiest things on our farm, and it costs us less than $1.50 a month."

Helping midwestern farm folks like the Beyer family to easier and more pleasant living through good, low cost telephone service is an important job of the NORTHWESTERN BELL TELEPHONE COMPANY.

Coming from a family of nine children, Mrs. Beyer finds that calling long distance keeps her in touch with family news and affairs.

More than 400 eggs daily from 575 hens is the average on the Gaylord Ellerman farm. Good chicks, good management and FELCO Feeds assure profits for Ellerman who gets his Felco and Cooperative savings at Farmer's Cooperative Co., Dallas Center.

NOW! AN OUTSTANDING SHOE MADE EVEN BETTER...

with RED WING'S GOLDENEYE LEATHER TANNED WITH SYLFLEX

LOOK FOR THIS MARK

It's your assurance that the upper leather has been Sylflex tanned and Wet-Flex step tested by approved tanneries to meet Dow Corning's high performance standards.

Also available in 8" pattern

Here's what "GOLDENEYE" Leather and SYLFLEX Mean to You . . .

1. ***MORE COMFORTABLE SHOES*** — more comfortable because the leather remains soft and pliable for the life of the shoe. Shoes hold their shape, never crack or curl up.

2. ***MORE WEAR PER PAIR*** — because Sylflex gives leather wearing resistance to abrasives, to water, to the general rough treatment every work shoe has to take.

3. ***A LEATHER THAT RESISTS WATER*** — and still lets the shoe breathe.

4. ***DEPENDABLE RED WING FEATURES*** that have made this quality work shoe famous. Red Wing's Original Sweat Proof Insoles — Long wearing, slip resisting Neoprene Cork Soles.

See Red Wing shoes with "GOLDENEYE" LEATHER at your Red Wing dealers. Stop in today! Or write for complete information now.

RED WING SHOES

RED WING, MINNESOTA
DALLAS, TEXAS
SALT LAKE CITY, UTAH

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Write 132 Main Street — Red Wing, Minnesota

Dry-lot Feeding with a BRADY

THE LOW-COST, HAYMAKER

BRADY MULTI-CROP PULVERIZER HAY & CORNSTALK CHOPPER

HERE'S A YEAR-ROUND, MULTI-CROP MACHINE THAT'S THE ANSWER TO DRY LOT FEEDING! With the BRADY, it's economical to "take the feed to the lot" — for you'll get more forage per acre. Cattle will do better. They'll give more milk — show faster gains! Without hood, ideal for cleaning fields of unwanted growth. Pulverizes stalks, stubble and weeds. Aerates the soil as it returns valuable mulch for quick decomposition. Write for free brochure. Learn about the many ways you can use this all year-round farm machine that's so economical it will pay for itself quickly.

BRADY MFG. CORP. DES MOINES, IOWA

NOW, At The *Same Low Cost*

HAIL INSURANCE

Plus Fire and Lightning Coverages

Hawkeye Mutual

HAIL INSURANCE COMPANY

FORT DODGE, IOWA • ESTABLISHED 1919

Voice of the farm

Nearly A Mile To Mail Box

To the Editor: We have to go nearly one mile to get our mail. Our neighbor has to go a full mile. We have been doing this for the last 50 years. . . .

We are living on a good road . . . and we have to pay taxes the same as those who have mail in front of their door.

Let's all stick together and see if we can't get our government to remedy this.—Mrs. William Bauer, Audubon county, Iowa.

Glad For Social Security

To the Editor: I am glad that farmers have been included in the social security act. Having been a farmer all my life, I have seen many, many farmers come to old age with too little of this worldy goods . . .

Prior to the depression, we knew many men we thought were in good financial condition, who had improved their living conditions, sent their children to college, etc. But their income had not been adequate to do these things and pay off the mortgage too. So when adversity came in the '30s, they lost their farms.—Walter R. Bishop, Jasper county, Iowa.

A Reader For 50 Years

To the Editor: I cannot claim 70 years of reading the Iowa Homestead, but I can point to a record of 50 years. I remember reading a serial story that ran around 1910. It was an autobiography of an early Iowa pioneer.—C. C. Kendall, Peoria county, Illinois.

"Step In Right Direction"

To the Editor: Years ago, on the western slopes of the Rockies, an old man took his own life. They found the following message pinned to his shirt: "I do this as an act of charity for I dread the horror that poverty heaps upon old age."

The social security law may not be perfect, but it is a step in the right direction. . . . My wife and I may not reach the age of 65, but if we make every payment until we are 64, we will at least help build a fund to aid those who linger longer and may need assistance.

It is not always a lack of thrift, but sometimes misfortune may lead to destitution. People who think they are sufficient unto themselves should ponder how "There is many a slip twixt the cup and the lip."—Joseph J. Mahoney, Delaware county, Iowa.

Liked House Action On Supports

To the Editor: We were extremely gratified by the action of the lower house of congress in restoring 90 percent parity for basic farm crops. This should be passed by the upper house in spite of a threat of veto by the president.

If he and his narrow-minded secretary of agriculture can't see the handwriting on the wall, let them take the consequences.—Subscriber, California

Raises Cotton In Iowa!

To the Editor: I am back again with cotton that I raise as a hobby. I like to send some of it to my friends in the south.—J. H. Moorehead, Keokuk county, Iowa.

Are there any more cotton raisers in Iowa?—Editor.

"Need Not Fear Communism"

To the Editor: Anyone who owns farm land in an independent school district in Iowa need not fear communism. He is already living under the "liquidation" theory. Taxes for years have amounted to confiscation.

The Iowa system and the communist system are different sides of the same coin.—J. Kelly, Pottawattamie county, Iowa.

John C. Lary, 76, of Cass county, Iowa, started taking this farm paper about the time he was married—50 years ago next winter. "I wouldn't want to let the subscription run out," he declares.

How To Preserve SILAGE

by Henry Arthur

SOME FARMERS seem to be quite successful in making legume silage by the wilting process, without using preservatives. But others produce very poor silage since weather is unpredictable, and because it is so hard to wilt legumes during damp, cloudy weather. Unlike corn, these legumes are low in sugars and high in protein. A poor, foul smelling silage is often the result when not properly ensiled.

So it's good insurance to use a preservative when making either straight legume or legume-grass silage. Two types are generally used: (1) *Sugars* or other fermentable carbohydrates such as molasses or grains (2) *Chemicals* such as sulfur dioxide (SO_2) or sodium metabisulfite. Cost depends on the amount and kind used.

If there is very little seepage from the silo, *80%* or more of the preservative's feed value will be recovered in the silage when molasses or grains are used. While chemical preservatives have no feed value, they reduce fermentation losses so that the value of nutrients saved may more than pay the cost.

This table gives the amount to use:

POUNDS PER TON OF GREEN MATERIAL

Preservative	Legumes	Legume Grass
Liquid Molasses	80-100	60-80
Corn and cob meal	200-250	150-200
Ground grain	150-200	150
Sulfur dioxide	5	5
Sodium metabisulfite	8-10	8

Consult your county agent for tips on application and other problems in connection with the making of grass silage. And for ways to supplement your own grain with linseed meal or pellets, *write for my free booklet* "Home Mixed Rations." You'll find formulas for dairy rations, beef cattle, hogs and sheep.

Minnesota Linseed Oil Co.
Minneapolis 21, Minnesota
Minnesota
36% Linseed
Oil Meal
There's a Quality Difference

THE BACHTOLD MOWER
Does more Jobs

IT MOWS
Cuts fence rows, fields and lawns. Clears away undergrowth. Works equally well on flat or hilly terrain.
IT CULTIVATES
Replaces four separate garden tools! Cultivator attachment works most any kind of soil including rocky ground.
IT SAWS
Big 20-inch blade can be used in either horizontal or vertical position. Stand keeps blade off ground.
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BACHTOLD BROTHERS, INC.
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BALZER Self-Unloading Wagon Box
Use for chopped hay, chopped ensilage, ear corn and all grains.

Converts to completely automatic feeder box with elevator, PTO. Finest workmanship. Write for complete information.
WIEMERS IMPLEMENT STORE
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Lightest of all one-man gasoline chain saws. Powered by a 2-cycle engine that mows through the largest timber. Ask your dealer about the special low cost! Or . . . write for bulletin to—
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$195 F.O.B. Factory
POWER TOOLS, Inc., Distributor
1731 University Ave., St. Paul 4, Minn.
McCulloch CHAIN SAW

"This insurance policy will pay you triple if you get hit by a flying saucer from Mars."

Wants Lower Speeds On Highways

To the Editor: Stay off the highways if you can't drive sensibly! If 50 to 60 miles is too slow, go over on the race track! Public safety is of greater value than the satisfaction of a speed demon.

The craze should first be curbed by our legislators. Any representative lending support to our present highway butchery should be tagged for dismissal at the next election.—John F. Thompson, Buena Vista county, Iowa.

Suggests Farm Plan

To the Editor: A good farm plan under existing conditions would be one using production payments on a flexible and yearly basis on all major farm crops and farm production, including poultry and eggs.

Production payments should range from 75 to 100 percent of parity.

The Department of Agriculture would each year issue a statement of support prices for each commodity under the schedule for the next year. Support prices would be determined by the secretary of agriculture on the basis of supply and anticipated demand.

The government would buy and store sufficient grains to protect the nation in case of a disaster such as war or drouth.

A farm plan of this type gives the farmer greater freedom in planning his business and eliminates the necessity of acreage allotments. It also would be fair to the consumer, the producer and the taxpayers.

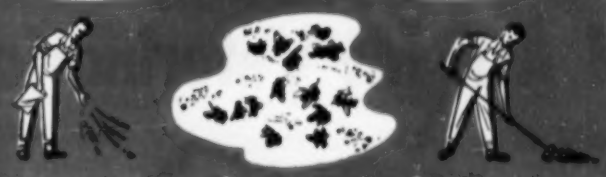
The present over supply of farm goods is more a matter of under consumption than of over production. If we maintain farmers' purchasing power at near parity level, we will then have a full economy with prosperity for all. — F. M. Randolph, Knox county, Ill.

Need Better Public Relations

To the Editor: I would like to see more effort at creating better public relations between farmers and non-farmers. I am sure we don't understand each other's problems as we should. At 65 years of age, I have spent about equal time on both sides of the fence.—Burl Stafford, Harrison county, Iowa.

FLY FLAKES

kills 'em fast... and easy!



1. Merely scatter by hand 2. Watch 'em die 3. Sweep 'em up

The new, improved FLY FLAKES

- *Kill flies in minutes*
- *Kill resistant strains*
- *Kill maggots*
- *Are economical-to-use*
- *For dairy barns, feed rooms, poultry houses, manure piles, outside areas*

The new improved FLY FLAKES are the simplest, most effective and yet the most economical control devised.

Available in 1 lb. cans; 2, 5 and 10 lb. bags; and 25 lb. drums

MATHIESON
OLIN MATHIESON CHEMICAL CORPORATION
Insecticides Division
One Park Ave., N. Y. • Little Rock, Ark. • Baltimore 3, Md.

No More "Silage Stink"!

Just treat your grass silage with STA-FRESH® Sodium Bisulfite ...and you can keep it fresh, green, sweet-smelling! Yes—with STA-FRESH, you can get rid of "silage stink" that often contaminates milk, gets into your clothes and smells up your home. But that's not all STA-FRESH does—

Makes Silage *More Nutritious!*

STA-FRESH treated grass silage is more nutritious, more appetizing to your cattle, too.

Feeding tests show cattle eat up to four times more STA-FRESH-treated silage when given a choice between it and ordinary silage. Sugar and carotene content in STA-FRESH silage is much higher, too!

Economical . . . Easy to Use!

Leading agricultural experts recommend STA-FRESH. Thousands of enthusiastic farmers are using it successfully. STA-FRESH Sodium Bisulfite comes in convenient powder form packed in 80-pound bags. It is amazingly easy and inexpensive to use. Just apply 8 pounds per ton of silage when you ensile your grass crops in upright or trench silo!

See Your Dealer Today!

Ask him for special STA-FRESH booklet telling how to make your own applicator!

GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
1221 Locust Street, St. Louis 1, Mo.

Before Using Any Drugs... I Ask My Veterinarian!

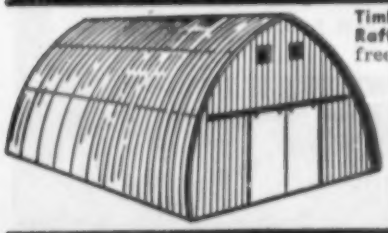
I found out the hard way that many drugs, used wrongly, can KILL farm animals as well as cure them.

Now, I always check with my veterinarian before I use drugs or "remedies" of **any** kind on my livestock. It's not just a matter of **which** drugs or medicines. Even the right drug, used incorrectly or at the wrong time, can do harm instead of good. The veterinarian doesn't guess . . . he's trained to KNOW. He knows the right drugs to use . . . how to use them . . . when to use them . . . when NOT to use them. It certainly makes a difference.

When animals get sick, it's always best to get the advice of your veterinarian. His experience costs so little . . . is returned to you many times over in better livestock profits.

This message made possible through the American Foundation for Animal Health

Timberib MACHINE SHEDS and BUILDINGS



Timberib Glued Arched and Laminated Rafters assures strong, trouble-free, post-free buildings with 100% unobstructed use space. We are proud to represent Timberib Buildings in Iowa and offer direct service on following plans—

1. Whole package, everything furnished above foundation.
2. Erect complete on your foundation.
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We save you money whichever plan you prefer. Write us, your Timberib distributors, for colored literature, details and lowest prices.

WESTERN SILO CO., Dept. W-6 W. Des Moines, Iowa

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with McKEE Suction Forage Blower

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Belt Drive, only $612.85 PTO Drive, only $796.00

(Price less discharge pipe. F.O.B. Crawfordsville)

See your local dealer or write today for FREE literature!

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CRAWFORDSVILLE, IOWA

NEW Trojan Guaranteed HOG WATERER

* NO FLOATS * ONLY TWO MOVING PARTS * FULLY AUTOMATIC

Non-freezing GRAVITY TYPE . . . No heating unit required . . . easily attached to barrel or tank . . . ALSO PRESSURE TYPE for indoor or outdoor areas. Price $6.55 delivered. See your dealer or write for folder . . . satisfaction or money back.

STANDARD MFG. CO. BOX 10, CEDAR FALLS, IOWA

When writing to advertisers, will you please mention this paper?

First Aid for Stock

Small Litters, Dead Pigs

To the Editor: I had bad luck with pigs this spring. There were pigs born dead, some even partly decomposed. Also the sows are lame. Can you give me any help?—E. N., Redwood county, Minn.

The dead and partially decomposed pigs may be due to several diseases. If a sow has flu at breeding time or shortly afterwards, this trouble may occur. Brucellosis, leptospirosis, or erysipelas may affect litters this way.

Severe nutritional deficiences may also cause dead and aborted pigs.

The fact that your sows are lame, a symptom of erysipelas, may indicate they were stricken with the disease during gestation.

Have your veterinarian bleed your sows and send the sample to a laboratory to see if the disease can be identified.

Lambs Stiffen Up, Then Die

To the Editor: Several lambs of mine were born weak this spring and eventually died. They didn't nurse, so I fed them from a bottle and gave them a vitamin A pill. The lambs' heads would draw around to one side and get very stiff. Then they would die.—S. S., Jackson county, Iowa.

This sounds very much like "stiff lamb disease" which is apparently a vitamn E deficiency. Have your veterinarian treat these animals as soon as they are born with alpha-tocopherol which is a potent form of vitamin E.

Wheat germ oil fed to the ewes during pregnancy has been used as a preventive.

However, there are other possible causes for this trouble. So it would be a very good idea to discuss this problem with your local veterinarian.

Fowl Cholera On Their Farm

To the Editor: We have been troubled off and on with fowl cholera the past years. This spring, it seemed to flare up again. How should I handle my chicks to keep them from getting it?—Mrs. B. H., Buchanan county, Iowa.

The best control for fowl cholera is to keep an all pullet flock. If you are getting new birds, raise them completely away from the old flock.

Before housing the pullets this fall, sell the old hens. Then completely clean and disinfect the old house.

CRACKED OR ROLLED milo gave faster and cheaper gains on lambs in Kansas tests. Grinding too fine caused trouble with choking and digestion.

Keep 'Em COOL with a Leland HOG BATH

and SAVE FEED!

UNIVERSITY OF CALIFORNIA TESTS PROVE—that summer heat takes a BIG bite out of your feed dollars . . . that a 100 lb. pig needs only 250 lbs. of feed to produce 100 lbs. of pork at 70° temperature but takes 450 lbs. of feed to produce 100 lbs. of pork at 90°! Yes, and 200 lb. hogs eat nearly 3 times the feed to put on the same number of pounds at 90° as at 70°—1,100 lbs. at 90° to 400 lbs. at 70° per cwt. gain!

The all-welded, heavy-gauge steel LELAND Hog Bath WILL PAY FOR ITSELF IN ONLY 10 DAYS of 90° weather on the average farm—and last 20 years or more. Put this FEED SAVER to work for you.

FREE CATALOG Write P.O. Box 246W

Leland MACHINE SHOP Leland, Illinois

Sandhills BACKRUBBER REVOLVING APPLICATOR

Kills flies, lice, ticks, mites and other stock pests. Your cattle treat themselves. Recommended for use with a New Special Spray Concentrate that's safe around dairy barns and milk rooms . . . many times more powerful than many other sprays. Residual effectiveness lasts longer.

Priced at $29.50 postpaid including one gallon concentrate that makes up to fifty gallons ready to use spray when mixed with your water or oil.

AUTOMATIC EQUIPMENT COMPANIES
665 Main Street Pender, Nebraska

—ROTA-ZIP—

The Guaranteed All Purpose "Safety Blade"* Mowers

Guaranteed to do your lawn and weed mowing to your satisfaction. If not 100% satisfied after 3 days trial return for full cash refund including frgt. charges.

Cuts smoother and cuts more volume per horsepower with replaceable SAFETY blades at only 10c each.

Our mass production gives high quality and top performance at lowest prices. See your ROTA - ZIP dealer or write for FREE folder and prices on all models.

Prices $65.00 to $108.95 Inc. Fed. Tax, F.O.B. Fact.

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SILO

Why be satisfied with anything but the best when you can beautify your homestead with a

FORAGEMASTER

Anything that can be stored in a silo can be better stored in a FORAGEMASTER!

Our agent can tell you how to multiply your farm profits and beautify your farm with a FORAGEMASTER. For information write to

ROWELL, INC.
752 Vandalia St., Dept. W, St. Paul, Minn.

Silage leveler used by Wayne Sievers of Buena Vista county, Iowa, was made from shanks of an old cultivator. The attachment can be raised or lowered. After leveling the same tractor is used for packing.

Let machinery do the work

. . . When you put "grass" silage in your trench or surface silo

DUMPING, leveling, packing. Those are the big chores when you're putting "grass" silage in a surface or trench silo. And machinery can do most of that work.

Most farmers who store silage in surface or trench silos have figured out some means of dumping wagons as they're pulled over the silo. It's the easiest way. And it aids packing.

False endgates are used by many to push the green forage out of the wagons. These can be powered by small electric motors. Or there are other methods.

Kenneth Edwards of Buena Vista county, Iowa, powers his false endgate with the power take-off attachment on his tractor. John Heilman of Ida county, Iowa, uses the hydraulic hoists on his dump wagons to push the false endgates back.

Or maybe you can rig up a length of woven wire to empty your wagons. Many farmers have done that. Just fasten the wire to the rear of the wagon. Lay it down on the floor of the wagon with ropes to the front. When the wagon is filled, use a tractor to pull the wire back and roll out the forage.

Then, how do you get the forage scattered evenly over the silo? Pictures on this page show gadgets that two Iowa farmers have rigged up to make that job easier.

After that comes the job of packing. A tractor will do the trick—if you keep at the job long enough. Pack continuously as you're filling the silo. And for an hour or so each day for three to five days after ensiling is completed.

Tines of an old grapple fork were used to make this silage leveler used by Floyd Gustafson of Buena Vista county, Iowa. Attached to hydraulic lift on tractor, the device can be raised into the air and lowered on dumped silage. Forward movement levels silage.

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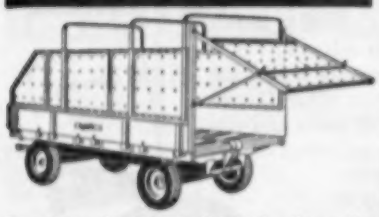

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Pigs fed complete ration on pasture do better than if given free choice to balance their own ration. Shown is Junior Coon, Louisa county, Iowa.

Lower cost of raising hogs

Raising hogs is pretty much the same all thru the Corn Belt. Here's what the experts talked about at the recent University of Illinois Swine Growers' Day.

FEED and pasture costs make up about three-fourths of the cost of keeping a hog breeding herd. Maybe those costs could be cut by limiting the feed given to sows during gestation.

Usually, about six pounds per day per sow of a concentrated grain and supplement ration is recommended. That gives about a pound a day gain on the sows.

Preliminary studies indicate that lowering the feeding level may give just as good results.

When four and a half pounds of feed were fed to each sow per day, results at farrowing and weaning were nearly as good as with six pounds of feed. The heavier fed sows produced slightly heavier litters at weaning time. But the extra weight would not pay for the extra feed.

At the four and a half pounds per day feeding level, sows gained two-thirds of a pound a day. Gilts gained three-fourths pound per day.

To limit the feed, ration was hand fed once a day.

Right now, it looks like you shouldn't feed less than four and a half pounds per day per head during gestation. But more work is under way.

ANOTHER way to cut costs in hog raising is to increase litter size. Tests at a number of stations have shown that gilts 14 months old average about one and a half more pigs per litter than gilts at 11 months. More of the pigs from older gilts lived to weaning age.

Illinois tests showed that this difference is passed along in weight, too. Each extra month of age on the gilt brought about 27 pounds more weight per litter at weaning time.

WHAT can you expect from cross breeding?

More pigs are weaned from crossbred litters on the average. Most of the difference is due to greater survival of crossbred pigs.

Crossbred pigs gained faster. They exceeded the average of three breeds used in the cross by about 50 pounds per litter at weaning time.

CREEP feeding can supplement sow's milk and start pigs eating early. The younger a pig is, the less feed needed to put on a pound of gain.

So it is important to have a palatable starter ration.

When sugar made up 20 percent of the ration, pigs ate more. The sugar replaced an equal weight of corn. As sugar content decreased, pigs ate less starter.

Feeding the ration in pellets instead of meal form made no difference in amount of feed eaten. In a ration containing high amounts of dried skim milk, pigs ate more in the pellet form.

BEST use of hybrid vigor comes from crossing lines developed for a cross breeding program. That's according to J. A. Whatley, Jr., Oklahoma swine specialist who spoke at the meeting.

Generally, there's a five percent advantage in litter size and rate of gain for crossbreds, he reported.

Crossbreeding programs should be planned to let the producer raise his own replacement stock, thinks Whatley.

Best bet looks like using a rotation of boars from different breeds on gilts kept from the producer's own herd.

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Ask your A-C dealer or order direct
HENRY GEAR-SHIFT CO., BEDFORD, IOWA

SAVE YOUR LIFE!

There's danger in labor-saving devices that allow your mind to wander away from the job at hand. That's what happened in the true incident below reported by Norval J. Wardle, Iowa State college safety specialist.

"JOHN, I wish you would mow the lawn this morning," John Moore's wife spoke to him as she started gathering up the breakfast dishes.

"I've sure got a lot to do today, Sarah," he answered as he moved his chair back from the table.

"Oh, John, it's terribly long, and you know what you said when you bought that new power lawn mower," his wife reminded him.

"I know. I'll mow the lawn and be thru in 15 minutes," John said as he went out the door. Of course, John had never been able to mow the lawn "just while he was resting" and it did take a little more than 15 minutes.

"Oh, well. Sarah deserves a nice place," John told himself as he got the mower out of the garage. As he started up the mower, he thought of how much easier this was than pushing the old lawn mower.

After cutting the lawn with the old mower, he had always felt fagged out. This was just like walking.

Round and round the lawn he traveled. Then it seemed to him the work was going slowly. He had many things to do during the day. That corn needed to be laid by. He had some feed to get from Joe Davis. So many things to do and he was mowing the lawn on a bright June morning.

Just then he turned a corner and missed a spot of grass. He stopped, jerked the mower back and then gave it a push with his foot.

His foot slipped under the edge. He felt a flash of pain.

No, John was not hurt severely. He didn't lose his foot. It only took five stitches at the doctor's office to close up the gash on his ankle.

John only lost a week of work. His neighbor took over the field work for that time.

Power lawn mowers are time and labor savers. However, they should not be used like old mowers. Never shove the mower with your foot. A little slip can cost a foot.

"He was backward even as a child."

'Stilbosol' Digest

Aden Danielson reports extra $320 from load of steers fed 'Stilbosol' ration. Mr. Danielson, experienced cattle feeder from Leland, Illinois, ran his own 'Stilbosol' test. He put 17 steers on a supplement with 'Stilbosol' and compared them with another equal group of steers fed the same basic ration, without 'Stilbosol.' After 83 days on feed, the 'Stilbosol' group had gained 240 lbs. each and the others 190 lbs.

Aden Danielson
Leland, Illinois

Average daily gain for steers getting 'Stilbosol' was 2.87 lbs. compared with 2.29 for those not getting it. Cost of gain was 23¢ a pound in the check lot and only 20.87¢ with 'Stilbosol.' The steers fed 'Stilbosol' made .58 lb. extra daily gain and did it for 2.13¢ a pound less. The lot fed 'Stilbosol' sold for 50¢ more a cwt. All this added up to an extra $320 profit for Mr. Danielson.

"I find that cattle getting 'Stilbosol' gain faster at less cost, are quieter in the lot, and stay on feed better," says Mr. Danielson. "I'm feeding 200 steers now and they all get 'Stilbosol.'"

Cattle fed 'Stilbosol' are yielding high quality carcasses. Original research showed that carcass quality, shipping shrink and dressing percent were not affected by the addition of 'Stilbosol' to market cattle rations. Careful experiments, recently completed by agricultural colleges and feed manufacturers, continue to confirm this work.

Iowa State College made extensive tests comparing carcasses from 63 cattle fed 'Stilbosol' with 29 fed the same ration, except for 'Stilbosol.' Differences were small and of no practical importance. Average carcass grades for both groups were between *high good* and *low choice.*

Average shipping shrink for the 'Stilbosol' group was 1.0% compared with 1.1% for the control group. Dressing percent of the 'Stilbosol' group was 60.3% against 60.4% for the control group. Other comparisons included determining the percent lean, fat and bone in the rib section; and the area, fat cover and water percent of the rib-eye muscle. Differences were slight in all cases but favored the cattle fed rations with 'Stilbosol.'

Glenn Rohlf, Odebolt, Iowa, gets 2.94 pound daily gain on market heifers. "I decided to see how a supplement fortified with 'Stilbosol' would work on a bunch of 84 market heifers," reports Mr. Rohlf. "They gained an average of 2.94 pounds daily. Best gains we've ever gotten—and they gained at a low enough cost to make us some money. We were well satisfied with our experience with 'Stilbosol' in every respect."

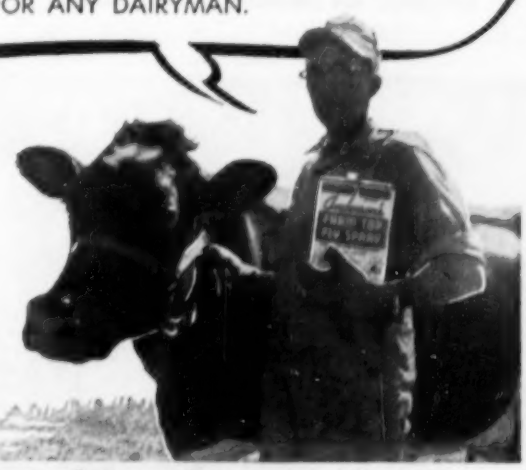
(For further news about 'Stilbosol' watch for "'Stilbosol' Digest.")

Stilbosol
(Diethylstilbestrol Premix, Lilly)
Lilly

JOE WEBER of FALL CREEK, WIS. SAYS:

I FIND I GET 10% TO 20% MORE MILK OUT OF MY DAIRY HERD DURING THE FLY AND MOSQUITO SEASON BY USING **ANDERSON'S SPRAY PRODUCTS.** MY TIME IS VALUABLE AND I LIKE THE READY-TO-USE FEATURE OF BOTH **ANDERSON'S DAIRY SPRAY** AND **ANDERSON'S FARM TOP SPRAY.** THESE GOOD PRODUCTS NOT ONLY KILL INSTANTLY BUT KILL AND REPEL FLIES AND MOSQUITOES FOR LONG PERIODS AFTER I SPRAY. **MY COWS ARE ALWAYS RESTED AND QUIET DURING THE FLY SEASON.** I HEARTILY RECOMMEND **ANDERSON'S SPRAY PRODUCTS** FOR ANY DAIRYMAN.

Dealers nearly everywhere in the Midwest



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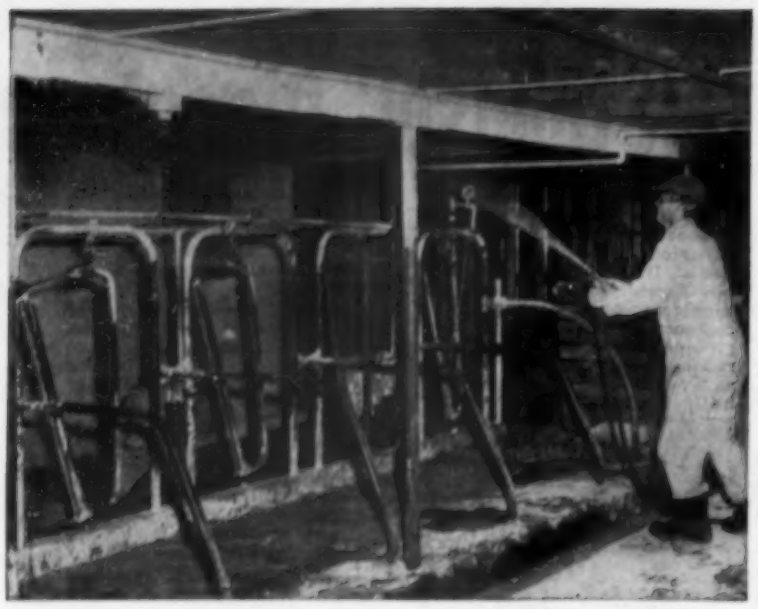

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- Easy to use as a knockdown and residual spray made from wettable powder or emulsifiable liquid. Also available as a dry bait.
- Residual kill lasts up to 21 days, depending on local conditions.
- Kills DDT-resistant flies and fly maggots, too.
- Quickly effective.
- Economical.

Don't spend another dollar on fly control until you get all the facts about malathion!

Consult your local agricultural authority. Write for free leaflet.

Malathion insecticides are available from well-known manufacturers. See your regular supplier. Look for MALATHION on the label.

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They've got brucellosis on the run

The National Brucellosis Committee met in Chicago May 12 to review the work done on brucellosis control during the last year. Below is a summary of progress and some details about future brucellosis eradition plans.

BRUCELLOSIS control efforts in the United States hit a new high during the past 12 months. Representatives of livestock interests believe that brucellosis may be eradicated in the near future.

In fact, the National Brucellosis Committee set 1960 as the date for eradication of brucellosis in the United States.

Three states — Maine, New Hampshire, and North Carolina —have already eradicated the disease. Ten other states—Maryland, Minnesota, Wyoming, Nebraska, North Dakota, Wisconsin, Utah, Vermont, Washington and South Carolina—hope to have their states certified by 1956.

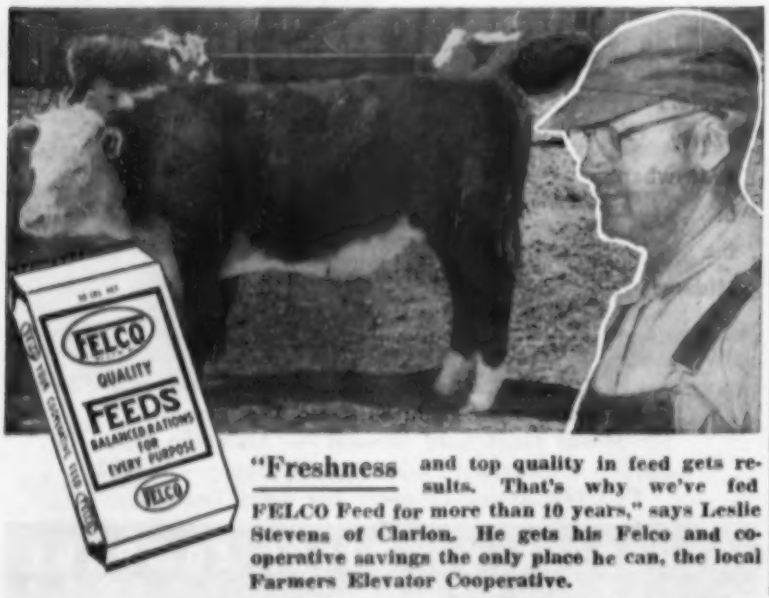
Idaho, Montana, New Jersey, Pennsylvania, and West Virginia are aiming for 1958. Arkansas, Colorado, Georgia, Indiana, Illinois, Mississippi, Missouri, Ohio, Oklahoma, Arizona, and Tennessee are setting 1960 as the date for certification.

Many of the western states, not just dairy states, are making real efforts to eradicate the disease. Montana has more than one-half of its counties accredited now.

Tests and vaccinations are the two big weapons in detecting and controlling brucellosis. Both are being used intensively. Here are figures for the first three months of 1955:

	Jan. thru March, 1955
Cattle blood-tested	4,518,754
Cattle ring-tested	4,711,275
Reactors slaughtered	86,065
Percent infection	2.5 %
Calves vaccinated	1,435,097
Certified Brucellosis free herds	64,066

Two big problems remaining are development of uniform interstate shipping regulations and control of the disease in swine.



"Freshness and top quality in feed gets results. That's why we've fed FELCO Feed for more than 10 years," says Leslie Stevens of Clarion. He gets his Felco and cooperative savings the only place he can, the local Farmers Elevator Cooperative.

"I heard about a good household hint today . . . It was all about how to keep cigar ashes from ruining the rug."

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Box 428, MORTON, ILL.

Cattle were moved out of pasture at right the day before picture was made. Lush growth in pasture across the fence awaits them. And first pasture will get a chance to recover. On the O. R. Bentley farm, Story county, Iowa.

Work your pasture in shifts

More feed per acre thru rotated or strip grazing

YOU can get more milk or more beef per acre this summer by working your pasture in shifts.

Let part of the pasture recover from previous grazing while cattle feed on another part. It'll boost carrying capacity of your pasture—give better feed in late summer.

That's the story from farmers who've practiced strip and rotation grazing, as well as from experiment stations across the country.

How much extra carrying capacity do you get by strip grazing?

"About 25 percent," estimates Lewis Morris of Madison county, Iowa. He has practiced strip grazing since 1952.

"I'm thoroly sold on the rationed or strip grazing method," Morris declares. "I've used it with bluegrass, alfalfa-brome and straight alfalfa pastures."

Morris turns his herd of 23 dairy cows into a fresh strip of pasture each morning.

With electric fences, he divides his pasture into long narrow strips—big enough to carry the herd for a couple of weeks.

But Morris doesn't turn his cows into the entire strip at one time. He starts by fencing off one end of the strip the first day. And each succeeding day, he moves the fence back to give cattle fresh forage.

After grazing the cattle across the first strip, Morris moves them to the next strip. And the first strip gets a rest.

What pleases Morris most is the fact that his milk production per cow has been higher than before he started strip grazing. He figures that better pasture in late summer gets most of the credit.

O. R. Bentley and son, Allan, of Story county, Iowa, see the same advantage in their system of rotating pastures.

The Bentleys' 40-cow Guernsey herd produced an average of 536 pounds of butterfat per cow last year under DHIA test.

"I think our method of pasturing helped," says O. R. Bentley. Lush pasture in July and August helped avoid the usual summer slump in milk flow.

Pasture, of course, doesn't get all the credit. The Bentleys have been building up their herd for the last 35 years. But last year was the first time the herd topped the 500-pound mark.

Using electric fences, they partition off a three to five acre strip. And cows graze that strip for about a week. Then cattle are moved to another strip.

Last year, the Bentleys kept their herd of 40 cows on 30 acres of brome, alfalfa and ladino pasture. Seven acres of the pasture wasn't needed during the first rotation. So a crop of "grass" silage was taken from it.

In Taylor county, Iowa, Frank Jones rotates pastures for his beef cow herd as well as for his dairy herd.

Jones keeps four separate pastures seeded with a mixture of brome, alfalfa, red clover, ladino and lespedeza. That gives him two pastures for each herd. He switches herds from one pasture to another every two or three weeks.

▼ ▼ ▼

by **Dave Bryant**

▲ ▲ ▲

This kind of pasture thruout the summer helped the Bentley herd produce an average 536 pounds of butterfat per cow last year. Cattle had been turned into this pasture the day this picture was made. They were to be moved to another pasture a week later.

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Combination stock, grain and platform

Racks and filler slats are seasoned select quality kiln-dried oak.
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Bodies equipped with removable slats for ventilation.
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The OBECO platform is modern designed . . . all steel . . . jig built for strength with rigidity for any use. Grain sides available in combination from 39" to 44" high at no additional cost.

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TRANSPORTS WHILE MIXING... DUMPS HYDRAULICALLY

FITS FORD, FERGUSON, AC-WD, IHC SUPER C, H & M, CASE VAC, J. D.-40, OLIVER 55, AND OTHER 2- OR 3- PLOW TRACTORS. *Unconditionally Guaranteed*

Universal Transmix® transports, mixes, and hydraulically dumps cement, stock feed, silage, water, and dirt. Mixes one bag of cement 5 to 1. Can be attached or removed in 15 minutes. Barrel revolves on rubber wheels. Silent operation—no gears or chains to wear out. PTO driven.

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UNIVERSAL PULLEYS COMPANY
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A SIZE FOR EVERY JOB
4-6 & 7 INCH DIAMETER TUBE
FROM 10 TO 41 FEET LONG
MOUNTED AND PLAIN
PRICED TO PLEASE YOUR POCKET
LINK MFG. CO. Fargo, N. Dak.

With this type of homemade equipment, Lewis Morris of Madison county, Iowa, can install or move an electric fence in a matter of minutes.

Easy to move this fence

18 gauge wire is used by Morris for electric fencing — primarily because it's easy to work with. Eighty rods can be wound on homemade reel.

CATTLE on the Lewis Morris farm in Madison county, Iowa are moved to a fresh strip of pasture each day. That means lots of fence moving.

To cut down on time and labor required in moving his electric fences, Morris has devised equipment pictured on this page.

Using this equipment, Morris says it takes him only five to 10 minutes each morning to open up a new strip of pasture for his herd of 23 dairy cows.

Stakes are made from seven - sixteenths inch rods. Mower sickle section is welded to pointed rod to prevent leaning.

Fence can be installed, moved or disassembled easily and quickly. Morris shows how stakes are pushed into the ground. Fence wire goes thru loop at the top of the stake, which is insulated with a short length of old garden hose.

Weed killing made easy!

POLYBOR-CHLORATE
Just add water and apply!

Keeps any area bare of vegetation...
All weeds and grasses can be destroyed! For driveways, patios, play areas, and all places you want to keep bare, it's ideal. Safe, easy to apply, convenient and inexpensive... ask your dealer now!

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DIVISION OF BORAX CONSOLIDATED, LIMITED
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PRESENT THEIR No. 425

Oakes NEW ROUND HOG FEEDER

PAYS FOR ITSELF IN 1 SEASON
• NO FEED WASTE • PREVENTS CROWDING
CAPACITY—25 BUSHELS
Ten Large Hogs feed at one time. No crowding, trampling or fighting. 10 individual troughs each with adjustable throat openings. 5" separate each trough. Hopper has straight side walls. No corners for feed to accumulate . . . no projections to hold downward flow of feed. Skids 2 x 6", with hitch loops.
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Subsidiary of
FOOD MACHINERY and CHEMICAL CORP.

Innes WINDROW PICK-UPS

We claim it's the best because it gets *all* the grain in so quickly, without wrapping, shelling or clogging. Easiest there is to put on and take off. Built to last. Ask your dealer or write us for full information — address Innes Company, Bettendorf, Iowa

RIGHT . . . *from the Ground Up!*

Innes products in this area are distributed by
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FIRST IN HYDRAULIC UNLOADERS (Originators, Designers & Engineers)
BUERKENS SINCE 1865

ALL PURPOSE WAGON BOX & HYDRAULIC UNLOADER
HANDY FINGERTIP CONTROL! SMOOTHEST, MOST POWERFUL PRACTICAL, FASTEST & SAFEST
HYDRAULIC UNLOADER
THE "ORIGINAL" HYDRAULIC UNLOADER
BUERKENS CORP., PELLA, IOWA

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Farm Duty
LUBRICANTS

Kill Flies and other winged insects Electrically with Gardner "Insect-o-Cutors"

You'll find no way to kill flies more effectively, or easier and cheaper than with Gardner "Insect-o-Cutors". They operate safely, silently, automatically, around the clock and in all kinds of weather. Placed wherever flies gather, they continually attract and kill flies and other winged insects. They plug into any light socket, cost only a few pennies a day to operate, and will last for years. Thousands are being used by dairy farmers and food plants everywhere. Write today for the full facts and an interesting free folder.

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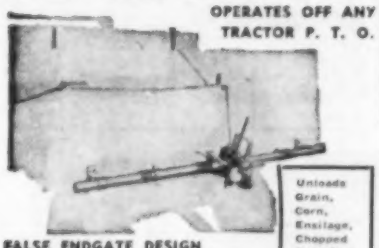

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SAVES TIME, WORK of Two Extra Men, yet does job faster. Revolutionary! Unloads any size load grain or forage. Unloads on the move or standing still and at any speed. Stop or start False Endgate from rear of wagon. Removable Power Shaft. Fits Any Barge Type Box.

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You can Combine 5 EXTRA Acres or MORE a Day!
FITS ALL PULL TYPE COMBINES (Right or Left Hand)

Pull wagon alongside combine. No stopping every round to dump hopper. Easily attached — no holes to drill. Raises to go through gates. Light weight, sturdy. Pulls wagon from End of Tongue.

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Farm News Briefs

DATES for field days at nine Iowa State College experimental farms have been set. Here is the 1955 field day schedule:

Agricultural Engineering Research farm at Ames, and Pasture Improvement farm at Albia—June 4;

Carrington-Clyde Experimental farm at Independence and Soil Conservation Experimental farm at Shenandoah—June 30;

Western Iowa Experimental farm at Castana—July 1;

Agronomy farm at Ames—July 6;

Northern Iowa Experimental farm at Kanawha and Southern Iowa Experimental farm at Bloomfield—July 7;

Howard County Experimental farm at Saratoga—July 14.

▼ ▼ ▼

JUNE 25 has been chosen as the date when wheat growers will vote on whether to accept marketing quotas on their 1956 wheat crop. Secretary of Agriculture Ezra Taft Benson has announced that a national average support price for next year's crop will be announced before the June 25 referendum. The announcement also stated that every effort will be made to see that each wheat producer receives notice of his wheat allotment before June 25. Choices available to voting farmers are explained on page 12.

▼ ▼ ▼

SIX IOWA woodlot owners received "Tree Farm" certificates May 30 in recognition of proven management of farm woodlots. Gov. Leo Hoegh presented the certificates in a ceremony on the farm of one of the winners, Mrs. Theodore Meyer of Garnavillo. Other wood lot owners receiving recognition were Charles Cummings, Fairfield; Dr. Ralph S. Roberts, Keosauqua; James T. Stewart, Columbus Junction; R. W. Dyas, Maquoketa, and Carl J. Mitzner, Tipton.

▼ ▼ ▼

COMING EVENTS: June, Dairy Month; Agricultural Engineering Field Day, Iowa State College, June 4; National Plant Food Institute, White Sulphur Springs, W. Va., June 12-15; Wheat Referendum Vote, June 25; Iowa Farm Bureau Women's Federation Meeting, Des Moines, June 26-28; National Farm Safety Week, July 24-30; National Duroc Congress, Hawkeye Downs, Cedar Rapids, Iowa, July 28-30.

"Why dear, it's the nice farmer down the road where we dumped the dog off."

SPEED UP YOUR DAILY HOG GAINS

VICTOR HOG SUPPLEMENT

Fed with corn, VICTOR HOG SUPPLEMENT supplies your hogs with all the nutrients they need in scientifically balanced amounts to get them to best market weights EARLY . . . when prices are UP. Your hogs will love it too!

So — for best hog profits, put your hogs on VICTOR HOG SUPPLEMENT after they hit 35 lbs. Then — feed the complete VICTOR hog program ALL the way to market-time. It's a PROVED money-making way!

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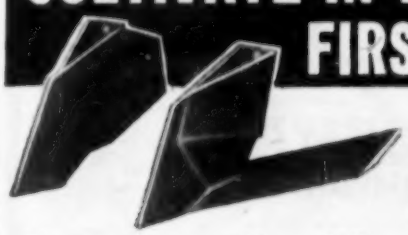
Ask Your Victor Dealer . . . Or Write To Us

For a complete hog ration . . . feed VICTOR COMPLETE HOG PELLETS

NOW A Complete Line Of VICTOR PESTICIDES

THE CRETE MILLS . . . CRETE, NEB.
Division of Lauhoff Grain Co.

CULTIVATE IN HIGH GEAR FIRST TIME OVER



Yetter CULTIGUARD

Throw away your troublesome half-sweeps and fenders! CULTIGUARD takes the place of both — gives high-speed operation for your first cultivation. Ends soil throwing and trash collecting.

Faster! Closer! Better!

Under average conditions, for the first cultivation one tractor and CULTIGUARDS will cultivate as much as two tractors with sweeps and fenders. Speed of 3 to 5 MPH cuts cultivation time in half. CULTIGUARDS are set closer to the rows . . . destroy more weeds. You can adjust them for small crops so that they cultivate right up to the roots, yet do not damage feeder roots. CULTIGUARDS adjust to leave the soil loose, level and evenly spread . . . or hilled-up. Will not cover small plants because they push soil in and around them like you do with your hands.

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"Good Farm Equipment Since 1930"

You will find better cutting . . . behind a ROOF WEED CUTTER

Fingertip control, full 26" cut, friction or absolutely no-slip gear drive, choice of 2 motors!

WRITE—free folder and dealer name.

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ON WEEDS—USE

Riverdale 2-4D Weedestroy

WILL NOT CLOG SPRAYER

For either pre-emergence or post-emergence spraying Riverdale Weedestroy will save you cultivating by doing a thorough job of weed killing when they're small and easiest to kill.

QUALITY CHEMICALS FOR AGRICULTURE

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HARVEY, ILL.

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Protect your liability to hired men, to visitors, to the public with Farm Liability Insurance

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See your Allied Mutual Agents. The cost is low. See us Before the Accident.

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This Policy Protects Your Liability on the Highway

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UNDOUBTEDLY THE BEST ALL AROUND POWER LAWN MOWER and WEED CUTTER on EARTH!

"Mow ALL" the grass and weeds with MOZ-ALL! Get Going to Better Mowing on hard to mow lawns, ditches, rough fence rows, unsightly weed patches with little effort—maximum safety. Try MOZ-ALL at your hardware or implement dealers or write for free information to:

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CUCKLER Steel Span BUILDINGS

- Post-free!
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Strong . . . Attractive . . . Low Cost

44' and 32' Widths . . . Any Length

Address Dept. W-2 for folder and name of Authorized Dealer

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Service Bureau

May Appeal ASC Decision

To the Editor: The ASC county committee has ruled that I'm not eligible for payment for doing some conservation practices. What can I do to get paid for the practices? — H. B., Benton county, Iowa.

You have the right to appeal any decision made by a county ASC committee to the state ASC committee. The state committee will study the case and make a decision. You will be notified of the decision.

Shrubs Damaged By Weed Spray

To the Editor: How can we stop our neighbor from spraying weeds when the wind blows the spray over on our property? The spray has killed my roses and has damaged our trees and shrubs.—Mrs. M. B., Jasper county, Iowa.

If your neighbor habitually causes damage to your property by the use of weed-killing sprays, you might be able to obtain an injunction against him. This is a technical legal process, and it would be necessary for you to get an attorney to handle it for you.

It would also be possible for you to sue your neighbor for damages you sustained because of the spray. You would also need an attorney to handle this action for you, says the Service Bureau attorney.

Capital Gains Not Net Income

To the Editor: If I don't take advantage of capital gains from sale of breeding stock on my income tax return, will the income from such a sale count as income for social security purposes? —J. C., Union county, Iowa.

Income from the sale of breeding stock cannot be figured in as part of your net income from self-employment for social security purposes. Even if you don't take advantage of capital gains on your income tax return, the income must not be figured as net income for social security coverage.

"While you were out working in the field, Junior got acquainted with a stray dog."

FEED DEHYDRATED ALFALFA

A PAILFUL of PROFIT

Dehydrated Alfalfa (15% or more) in the gestation rations for sows will increase the vigor, health, and livability of newborn pigs. Feed your sows properly during pregnancy so they can supply the nutrients required for the development of strong pigs with the ability to live. Pigs fed properly during the embryonic life seldom die.

American Dehydrators Association — PASTURE IN THE BAG

Experiment stations have found that no single feed item has contributed more to improving dry-lot gestation rations for gilts and sows than high quality dehydrated alfalfa.

Dwight Bldg., Kansas City, Mo. DEPT. 11, 103.

NOW! BLOW HEAVIEST CROPS WITH EASE

SPECIALLY DESIGNED FAN for that longer cut — partially wilted hay. Elevates chopped hay, silage economically through extra large 8-in. pipe.

BLOWER FOLDS 2 WAYS. One hand lifts hopper for wagon to drive through. Folds minute-quick onto air wheels for transport.

You get the most for your money when you buy this lowest price, economical-to-operate blower. WRITE for name of Smalley dealer, descriptive booklets on Blowers, Ram Disks, Hatchet Hammermills with Ration Mixer.

Smalley MANUFACTURING CO. FORAGE AND GRAIN BLOWERS
557 York St., Manitowoc, Wis.

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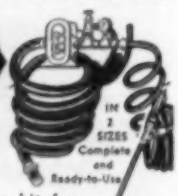

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All purpose complete kit for spraying livestock, orchards, fence rows, or to build your own field sprayers. Has our very own brass and stainless pump with a lifetime warranty. See your dealer, or write

CONTINENTAL BELTON CO.
INDIANOLA, IOWA

New galvanized Mayrath 16 ft. Junior Auger, $19.50, moves 10 bu. per minute. New galvanized Mayrath 16 ft. all purpose Auger with 6" tube only $39.00, moves 30 bu. per minute. Both prices complete with motor mount, belt, pulleys, ball-bearing head, truck bracket, hanger hook and spout. New galvanized 24 ft. Mayrath elevator with 20¼" trough only $178.00, complete with carriage and winch; 32 ft., $290.00; 40 ft., $340.00; 48 ft., $389.50. See your dealer or write

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Monmouth, Illinois, or Dodge City, Kansas

EXTRA MONEY in spare time, sharpening farm discs. $20 to $25 daily profits. No dismantling—no moving. Simple portable machine sharpens whole disc right on farm. Free Plan explains.
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Use your hand like this. No mixing, no sprayer needed to fight flies this way. Apply "Marlate" dry, just as it comes from the bag, every 2 or 3 weeks.

Simple, Easy, Quick! Use Du Pont Marlate®

It's new, it's better. Saves time and work. Du Pont "Marlate" 50 methoxychlor kills hornflies that follow cattle during the day. Sprinkle a tablespoonful along neck and back and rub in gently, against the hair. One treatment lasts 2 to 3 weeks, and a 4-pound bag does for 20 to 30 cows all season. To kill flies in the barn and on the premises, mix "Marlate" 50 with water and spray. *Advertisement.*

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For Sweetening Feeds

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OVER **85%**

Blackstrap Molasses

(DEHYDRATED)

The easy way to use molasses. Dry, free flowing, no waste. Takes less, costs less because it's concentrated. Write for folder.

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if you send local feed dealer's name.

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TRAC-TOW
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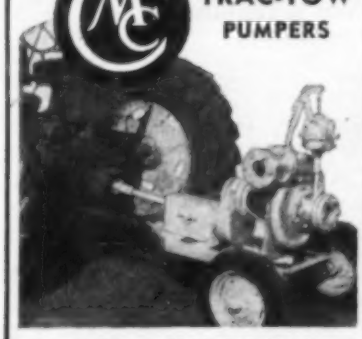

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Irrigate, fertilize with TRAC-TOW and really BOOST CROP PRODUCTION. Sprinkler and Ditch Irrigation Models. Deliver OVER ONE ACRE INCH OF WATER PER HOUR. TRAC-TOW furnished in ready-to-run package. No extras to buy—no parts to assemble.

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NAME .....

ADDRESS .....

Here's a handy way to haul water to hogs on pasture. This was made from a 275-gallon fuel oil tank mounted on a two-wheel trailer. Tank is raised to allow spraying water on hogs during the hot summer weather.

What Damages For Trespassing?

To the Editor: For how much can we sue a person who has been trespassing on our property?—H. J. W., Fayette county, Iowa.

If the person who trespasses on your property does no damage, you may recover only nominal damages. Nominal damages are usually considered as $1.00 plus the cost of an action.

If your property is damaged, you may recover the amount that you have actually been damaged, says the Service Bureau attorney.

Wants Health Insurance

To the Editor: What is the best way to choose a health and accident insurance policy?—B. M., Bremer county, Iowa.

Your doctor and hospital probably can advise you on good health insurance policies. There are a large number of good companies that sell hospitalization insurance. You may want to compare the benefits offered by several of the companies before selecting a policy.

Some of your friends probably can advise you on the service offered by the company with which they have insurance. If your friends have had trouble collecting claims from a company, you may also have this trouble.

Who Pays Tax On Inheritance?

To the Editor: My father died recently. He owned three farms. He willed one farm each to two sons. The other farm is to be divided equally between my sisters and myself. Is the inheritance tax on the two farms paid out of the estate, or do my brothers have to pay the tax? —L.P., Lyon county, Iowa.

Inheritance tax is imposed against the recipient of the property. However, it is the duty of the administrator to see that the tax is paid and release obtained. The recipient must pay the inheritance tax out of his personal funds or out of the share received from the estate, says the Service Bureau attorney.

Here's One Champion

Erindale Dunloggin Anna (Ex.)—Highest record living cow (fat) in the world on official type test. (11-5, 365d, 3X, 33198, 4.5%, 1479.) This outstanding Holstein is owned by Jack R. Budd of Belleville, Michigan who uses Rapid-Flo Fibre-Bonded Filter Disks, like a big majority of dairy farmers from coast to coast.

Here's Another!

more dairy farmers use **RAPID-FLO®** *Fibre-Bonded* **FILTER DISKS** than any other brand

It's performance that makes a champion—it's the proved reliability and safe filtration engineered into Rapid-Flo Fibre-Bonded Filter Disks that cause more and more dairy farmers to use this trusted brand to protect milk quality, day in, day out. You'll find it pays off in better quality milk or cream to follow the judgment of the majority—and insist on Champion Rapid-Flo Fibre-Bonded Filter Disks in the Blue Box.

IMPROVE MILK QUALITY—CUT COSTS WITH THE RAPID-FLO CHECK-UP FOR MASTITIS AND SEDIMENT

A simple daily procedure endorsed by sanitarians and health authorities that can help prevent loss of milk and cows.

1. After filtering each can of milk (10 gallons or less) the used filter disk is carefully removed from the strainer and placed on a cardboard to dry.
2. Examination of the used filter will indicate precautionary steps necessary to secure clean milk.

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For quicker unloading, without backaches or extra help, you ought to get a new Gar Wood Strong-Arm hydraulic hoist on your truck. Many advanced features including: handy dash controls; lower mounting height for easier loading; automatic safety lock, which keeps platform from tipping despite shifting loads. Easily mounted on any truck, without special rework, regardless of chassis width. 8 to 12-ton hoist capacity for 12' to 17' rocks or platform bodies. Inquire today. GW-F-2

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CROP HAIL INSURANCE

including

FIRE AND LIGHTNING COVERAGE

at NO EXTRA COST!

Yes, Square Deal Insurance Company is one of the first hail companies in the Midwest to give you Fire and Lightning coverage along with Hail Insurance at no added cost. Now, more than ever, you are sure of adequate crop protection—with a Square Deal Guaranteed Price-per-Bushel Policy. Ask your local insurance agent.

SQUARE DEAL INSURANCE COMPANY
(MUTUAL) DES MOINES 8, IOWA

Announcing The

North Iowa Hereford

12th Annual Sale

Sale at 12:00 Noon, at the North Iowa Fair Grounds

Mason City, Iowa

MONDAY, JUNE 13, 1955

HORNED AND POLLED HEREFORDS

SELLING 60 HEAD

50 BULLS
- 26 Horned Bulls
- 24 Polled Bulls

10 FEMALES
- 5 Horned Females
- 5 Polled Females

Included will be 30 big rugged bulls, ready for immediate service. Also 20 outstanding yearling bulls. The females are a desirable lot. An offering we are sure you will like. Plan to attend.

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THURSDAY, JUNE 23rd

100 HEAD PRODUCTION BRED JERSEYS

46 Grand Cows — 46 Beautiful Heifers — 8 Choice Bulls

IOWA'S 1954 HIGHEST PRODUCING JERSEY HERD

HERD AVERAGE

42 Cows — 501 lbs. fat, 9,130 lbs. milk

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LILAC REMUS UNRIVALED GARWIN from Brigham Herd, St. Albans, Vermont. Herd average over 600 lbs. fat, highest in United States over all breeds.

CALFHOOD Vaccinated. T.B. and BANGS Tested. Ask now for FREE catalog. Address

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Located 30 miles east of Sioux Falls, 75 miles north of Sioux City, at fair grounds

LUVERNE, MINN., WEDNESDAY, JUNE 22nd

STARTING AT 12:30 P. M.

A complete Dispersion of one of Northwest's oldest and best herds of high-class ANGUS cattle. Many cows with big, lusty calves at side—others close to calving. Choice bred and open heifers. 30 daughters of EILEENMERE 1169th, a son of EILEENMERE 500th, an International Grand Champion. McHenry Blackcaps, Finlarig Elbas, Escher Edellas and other popular families. All females over 6 months old, calfhood vaccinated for Brucellosis. Bargains are in store. COME! Ask now for FREE catalog. Kindly mention this publication. Address

E. W. BROWN, Owner, Valley Mound Farm, LUVERNE, MINN.

When writing to our advertisers, please mention that you read their advertisements in Wallaces' Farmer and Iowa Homestead

LIVESTOCK NEWS

The Sixth North Iowa **Shorthorn** sale held at Mason City, Iowa, May 19, brought most satisfactory prices.

13 bulls averaged $328
15 females averaged $232
28 head averaged $276

The top of the sale was lot two bull, Firelight Count, consigned by Edward Slama, Callendar, Iowa. He sold for $885 to C. H. and R. D. Arthur, Spirit Lake, Iowa. He is a July '53 son of Claymore Firefly. The second top was by the same sire and from the same consignment—lot one, Firelight Defender. He sold for $420 to John Hilpire, Blairsburg, Iowa.

Top of the females was lot 17, Village Buttercup 18th and heifer calf. She was consigned by Theodore Berquist & Son, Somers, Iowa, and sold for $370 to Millard McNutt, St. Ansgar, Iowa. This same consignor had another pair lot 23, cow Cedar Hill Maud, which sold for $230 to Henry McCracken & Son, Gowrie, Iowa, and the bull calf to Walter Eno & Sons, Sheffield, Iowa, for $160 for total of $390 to top the females.

The sale was managed by Albert Hamann. Auctioneer was J. E. Halsey.

Altho there were breeders from several states present, a large majority of the offering stayed in Iowa, at the **Tallcorn Angus** sale at Marshalltown, Iowa, May 23. Demand for all classes was strong and bidding was rapid, and the better kind sold very well.

97 females averaged $265
65 bulls averaged $332
162 lots averaged $292

Bar H Angus Farm, Columbus Junction, Iowa, paid $1,040 for the top selling female, Beauty Princess M., a June '53 Hayston Beauty daughter of R.I.S. Prince Eric 18th from the consignment of Meier Bros., Melbourne, Iowa. Elleenmere Antelope G.W., a Rosemere Antelope 1952 daughter of Elleenmere 1093d consigned by Garnett G. West & Sons, Altoona, Iowa, brought $850, the bid of Dick Christens & Son, Parkersburg, Iowa. She sold with bull calf at side by Bandollermere 43d.

Jack L. Clapsaddle, Conrad, Iowa, brought out both top selling bulls. Huntoon and Robinson, Winterset, Iowa, paid $810, the sale's top price, for Cedarcrest Elleenmere, a June '53 son of Elleenmere 1154th, and Cedarcrest Elleenmere 2d, a June '53 son of Elleenmere 7th of O & R, brought $720, the bid of True Fuller, Marshalltown, Iowa, and Roy M. Koster, Gladbrook, Iowa. All cattle sold to Iowa buyers except one to Missouri and one to Minnesota.

Cols. Clair G. Mason and son, Bud, cried the sale.

Iowa Shorthorn Field Day

The Iowa Shorthorn Breeders annual Field Day and picnic will be Sunday, June 12, at the Geo. Struve & Sons farm, three miles east of Manning, Iowa. Bring a basket dinner, free ice cream furnished by the association, who will also present cash awards for various contests. The Struve show herd will be on display, also breeding herd and will afford strong classes for judging contests. There will be a judging and guessing contest, demonstrations and constructive educational talks. All are cordially invited.

The **Angus** sale, May 14, for Kentridge, at Muscatine, Iowa, owned by Mr. and Mrs. G. A. Kent of Muscatine, attracted a nice sized crowd from Wisconsin, Ohio, California, Missouri, Illinois and a wide territory in Iowa. The cattle were presented in nice shape for the sale by Russ Brannen, farm manager, and herdsman Virgil Ihms.

2 bulls averaged $3,100
51 females averaged $807
53 lots averaged $894

Top of the sale was the feature female, lot three, Cherry Blossom of KR 6th, daughter of Bandolier 244th of Wilton. She sold for $10,000 to Grafe-Challahan Construction Co., Ferndale Ranch, Santa Paula, Cal. The second top was lot four, Cherry Blossom of KR 5th, also by the "244th." She sold for $4,600 to James Miller, Olney, Ill. Both sold open. Lot 29, Blackcap Bessie 3rd of KR, a bred heifer, went to R. C. Zellar, Muscatine, Iowa, for $2,000. Harvey F. Meeker & Son, Mediapolis, Iowa, bought Blackcap Bess 4th of Sky Farm for $1,260. Esra Wendt & Sons, Wyoming, Iowa, were the buyers of Black Jestress of KR 8th, lot 30, for $1,050. They also took an added entry Blackcap Bessie heifer for $1,525. Dr. C. E. Block, Davenport, Iowa, paid $1,000 for lot 33, Georgina of Kentridge 12th and bull calf at side by their show bull, the junior herd sire, Bandolier 214th of Kentridge.

The top bull was lot one, Bandolier 445th of Kentridge. His buyers were Mary and Gene Sarazen, Germantown, New York, for $5,700. They also bought 13 females to go along with the bull.

Sale manager was J. B. McCorkle. Auctioneers were Johnston and Woodruff.

New Scholarships At ISC

Two new $1,000 agricultural scholarships will be available this fall at Iowa State College to freshmen who enroll in the agronomy department. The scholarships have been established by Smith-Douglass Company, Inc., of Streator, Ill.

Awarded for the first time in the fall of 1955, the scholarships will be available to Iowa farm boys who need financial assistance, are in the upper one-third of their high school class and have shown an interest and aptitude in high school and community activities. Preference will be given, thd not limited, to boys with at least three years of active membership in Future Farmers of America or 4-H Club.

In order to continue receiving the scholarship, the freshman recipient must earn a scholastic average sufficient to rank him in the upper one-third of his class in the agronomy department and demonstrate other evidence of personal development.

Recipients will receive $400 during the freshman year and $200 each year as a sophomore, junior and senior.

Corn can be a soil-building crop if you plow under the stalks and add enough nitrogen to convert the residue into available organic matter, says a University of Illinois agronomist.

PAW TUCKER—Just a victim of the machine age

LIVESTOCK NEWS

Ray Clark, Norwalk, Iowa, paid $550 for the top selling bull in the **C. C. Grandfield Evergreen Hereford** Farm production sale, May 25 at Lorimer, Iowa. He was Royal Helmsman C. 6, a June '52 son of Royal Helmsman 2d. Averages were nearly $40 above last year's averages, and were as follows:

18 bulls averaged $288
32 females averaged $183
50 lots averaged $221

Larry Domino C 40th, a July '53 son of JCP Larry Domino 48th, brought $415, the bid of Tom Hogan, Massena, Iowa.

Bell Hereford Farm, Pulaski, Iowa, paid $245 to own the top selling female, Princess Rupert, a seven-year-old daughter of Royal Rupert K1, selling with heifer calf at side by JCP Larry Domino 48th. Ralph Bramer, Murray, Iowa, took home Una Larry 3d, a bred heifer by JCP Larry Domino 48th, at $230.

Col. Freddie Chandler cried the sale.

Shorthorn Field Day

Southwest Iowa Shorthorn and **Polled Shorthorn** breeders will hold a Field Day, Sunday, June 26, at the Lomas Farm, located one mile north of the square, Villisca, Iowa. Bring a picnic basket, silver, dishes, etc. Ice cream furnished by the Association. The hosts will furnish coffee and ice tea. A judging contest for 4-H calves, heifers, steers and young bulls. Prizes for juniors and seniors. Ken Fulk will have charge of all details. Tip Lucas, president, Lenox, Iowa, will introduce speakers. A constructive program has been arranged.

U. S. Payments Higher For Top Wool

Farmers who have wool to market this season are reminded by Mel Kirkeide, assistant livestock agent at North Dakota Agricultural College, that incentive payments provided by the U. S. government under the National Wool Act of 1954 are geared to the price the farmer receives on the market for his wool.

In other words, says Kirkeide, the higher the return you get for your wool when sold, the higher will be the incentive payment you receive from the government. Here's how it works:

At the end of the 1955 marketing year (March 31, 1956), the U. S. Department of Agriculture will determine the average price received by growers thru regular market channels, for the entire U. S. clip. The percentage difference between this figure and the 62-cent incentive price will be used to determine the amount you receive as an incentive payment.

To illustrate, suppose the 1955 average sale price was 50 cents a pound, which is about the present level. The difference between 50 cents and 62 cents is 12 cents, or a 24 percent difference.

This means that the price you get for your wool counts a lot. If you sell your wool for 40 cents a pound, your incentive payment is 24 percent of 40, or 9.6 cents. But if your wool is of the quality that brings you 60 cents a pound, the 24 percent incentive payment on 60 cents adds up to 14.4 cents. So it pays in both market price and incentive payment to get the top market price for your wool.

Kirkeide points out the importance of getting top market price for wool because many flock owners are not clear as to just how the incentive plan works. He also reviews several other facts in regard to the 1955 wool program.

(1) You will receive payments for wool marketed on slaughter lambs or yearlings between April 1, 1955, and March 31, 1956, providing they have full wool pelts. (2) You must have owned the animals or wool for at least 30 days. (3) The wool or lambs must be marketed on or after April 1, 1955. (4) You will not be paid for wool shorn before January 1, 1955. (5) You should save the account slips for all sales of wool and lambs after April 1, 1955. (6) Apply for wool incentive payments at the ASC office in your county.

Tractor Dangerous If You Hurry

You are probably eager to "get going" with your rushing seasonal work these days.

But don't be overanxious when you hitch that tractor to field machinery. An accident can cause a lot of unnecessary suffering and expense.

Farm safety specialist R. C. Swanson at the University of Wisconsin reports that tractor accidents alone accounted for 30 deaths—three times more than from any other single cause of farm-work fatalities—of a total of 99 accidental farm deaths in Wisconsin in 1954.

Swanson lists these rules for safer tractor operation:

1. Never allow extra riders on your tractor.
2. Always put the gear shift lever in neutral before starting the tractor. If you have to crank your tractor, place your thumb and fingers on the same side of the crank.
3. Don't go too fast on rough ground, hillsides, or when turning. Apply both wheel brakes evenly when stopping.
4. Keep the shield over the power shaft in place, and always stop the power take-off before getting off the tractor.
5. Be careful when refilling the radiator on an over-heated tractor, or when taking the radiator cap off a pressure cooling system.
6. Don't refuel or do other service work on your tractor while it's running or is extremely hot.
7. Keep your tractor in gear when going down steep hills or grades.
8. Make sure all pieces of towed equipment are properly marked for night travel on roads and highways.

Swanson recommends reflective tape on the rear of all pieces of equipment that may be moved on the highway. Two pieces of three by six inch reflective material properly placed meets all legal requirements for highway travel.

You can get the reflective tape thru most FFA and 4-H groups, Swanson says.

Close Grazing Weakens Grass

Close grazing or mowing during the growing season may seriously weaken good grass stands. Grass roots stop growing when too much foliage is removed, Ohio State University extension agronomists remind farmers.

A single cutting that removes most of the foliage also stops root growth. Roots do not start growing again until foliage recovers. Too frequent clipping or too close grazing prevents rapid growth recovery.

The field crop specialists say pastures and meadows are clipped to control weeds, maintain new growth and remove excess mature growth. Pastures and meadows should not be mowed or grazed closer than two inches, the specialists add.

When you drive or tow farm equipment on the highway after dark, be sure that it has bright lighting at the rear.

Paratyphoid can cause losses of 10 to 90 percent of the affected birds in a young turkey flock, says a University of Illinois veterinarian.

Prompt and complete disposal of diseased poultry is needed for disease control. Disposal by burning in properly constructed and located incinerators is the preferred method.

Penney and James
Angus Dispersion Sale

HOMEPLACE EILEENMERE 376th—Many times Champion, and sire of outstanding show cattle. His get and service sell.

Hamilton, Missouri
JUNE 27-28-29

Sale at 10:00 A. M. at the Farm

OVER 500 LOTS
OVER 600 HEAD
INCLUDING THE GREAT HERD BULL BATTERY

90 YOUNG BULLS READY FOR SERVICE
325 FEMALES OF BREEDING AGE
About 100 of these will have calves at side
75 OPEN HEIFERS
A COMPLETE SHOW HERD SELLS

Dams of great herd bulls sell, as well as dams of show ring winners of the past and present. Included will be 60 daughters of Eileenmere 487th, and many eagerly sought after families will sell. Many selections from which to choose you next herd bull, or foundation females, in this most outstanding offering. 80 Holstein nurse cows and heifers will sell the afternoon of June 29th.

HOMEPLACE EILEENMERE 634th—Sensational Jr. bull calf in last year's show herd. A son of Homeplace Eileenmere 376th.

HOMEPLACE GAMMER 12th—A sister to the dam of Homeplace Eileenmere 999-38th, and to the $38,000 female. Bolls open.

If you receive the Aberdeen-Angus Journal you will get a copy of the catalog. Otherwise write for FREE catalog. Please mention this publication. Address

J. B. McCORKLE, Sale Mgr., SMITHVILLE, MO.
J. C. PENNEY and ORIN L. JAMES, Owners, HAMILTON, MO.
Auctioneers, Johnston, Sims, James & Good — Arch Stone, Fieldman

SHETLAND PONY AND HORSE SALE
Orient Sale Barn, Orient, Iowa

SHETLAND PONIES — JUNE 16th — 10:00 A. M. (46 inches and under)
BIG HORSES, MULES, AND SADDLE HORSES — JUNE 17th — 12:00 Noon

We expect 200 head of Shetland ponies, 150 head of draft horses and mules, and at least 100 head of saddle horses. Your consignment of any kind or number welcome. Contact:

HAROLD KILLION, Mgr., GREENFIELD, IOWA
Barn Phone at Orient—3121 — Greenfield Phone—291J

Wallaces' Farmer and Iowa Homestead is one of the best investments you can own. Pays dividends of important and timely information to you direct, twice each month.

GRAMPS AND HARLEY—Looks like it's an all-purpose spray, Gramps

FEED **KENT** "THE FEED WITHOUT A FILLER"

FRED ROBERTS SAYS:

Creep feed calves, 2 to 10 months old, a good growing ration. Mix 100 lbs. KENT CALFGO and 200 lbs. each of corn and oats, feed with mixed hay.

HOMEPLACE EILEENMERE 697th

The Winning Combination

GREAT SIRES ON A GREAT COW HERD

We have them at the

HOMEPLACE

We invite your inspection before our complete dispersion, June 27-28-29.

PENNEY & JAMES

HAMILTON, MISSOURI — ORLIN L. JAMES, Mgr.

ABERDEEN ANGUS

Angus heifers make

SUPERIOR MOTHERS

Less calving trouble

Angus heifers have less calving trouble, for Angus calves have smaller, polled-shaped heads. Gives you more calves to sell.

Give more milk

Angus cows are alert, aggressive mothers . . . provide more milk for their calves. Gives you bigger calves to sell. Be ahead! Build an Angus herd! Buy Black heifers!

American Angus Assn., Chicago 9, Ill.

ARNOLD ANGUS FARM

Home of THE "805th"

Four choice rugged, thick-fleshed, beefy sons offered by PRINCE SUNBEAM 605. One desirable son of PRINCE ESQUIRE OF SUNBEAM. All ready for service, rich in breeding. Pedigrees will please most discriminating buyers. COME! Look. Priced to SELL.

(Farm 10 miles S. on No. 71)

ARNOLD ANGUS FARM

Spencer, Iowa

CHOICE ANGUS

BULLS FOR SALE

Sons of EILEENMERE W. S.

Grandson of Eileenmere 487th and Eileenmere Eric by EILEENMERE W. S. They are 12 to 24 months old, ready for service. Herd bull prospects for Breeder or Farmer. They will sire top cattle. Visit farm any time.

I. E. KEMP — MARION, IOWA

M. B. ANGUS FARMS

PRINCE QUALITY OF SUNBEAM

His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls. BAR QUALITY M. B. by Prince Quality of Sunbeam, RAONA'S PRINCE ERIC 21st by RLS Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S. W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 25.

MAAS BROS., RIVERSIDE, IOWA

Meredith, Meredith, Jr., and Donald

CHOICE ANGUS

12 registered bulls, serviceable age, by BLUEBOY LAD 100th OF IDA, and BANDOLIER 214th OF WILTON. Also a number of excellent 2 and 3-year-old heifers by BLUEBOY LAD OF IDA and mated to BANDOLIER 214th OF WILTON. Genuine quality, rich breeding, priced right.

ELMER J. JOHNSON

Kiron, Iowa

CHOICE TRIED SIRE

BEAUTY'S BELL BOY, 3-year-old Angus sire. His calves were among the TOPS in MARION COUNTY SALE. A real tried and proven sire. Also 3 yearling sons of BANDOLIER W. 2nd. REASONABLE.

OVERTON & HODGSON — Pleasantville, Iowa

FEED **BOW-KEY** FEED

DES MOINES — IOWA

ABERDEEN ANGUS

ANGUS BULLS FOR SALE

Big, Rugged Serviceable Age Bulls

All are ready for heavy service. Also 8 bred females due to calve this summer. Priced for the Commercial producer.

SUNSET KNOLL FARM, AMES, IOWA

Farm 2 miles west on Highway 30

Phone 150W2

— EIL'TONIER ANGUS —

WINTONIER OF DEN-MOR

HERD SIRES:

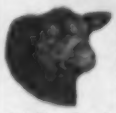
Wintonier of Den-Mor, top son of 1941 International Grand Champion.

Shadow Isle Prince Eric 127th, son of Prince Eric of Sunbeam and ½ brother of three International Grand Champions.

We strive for top notch individuals, combined with outstanding pedigrees, coming from good families. Priced reasonably. Bulls and Females for sale at all times.

MR. & MRS. HAROLD E. EILER, Tipton, Iowa

GREIMANS' ANGUS



We have a good assortment of young bulls and a few nice females to sell now. Sired by ESTON'S JUANA ERICA 1101525 and HOMEPLACE EILEENMERE 470th 1693118. Stop by the farm any time and look them over. Farm just south of town.

Addis Greiman & Sons, Garner, Iowa

PINEHURST ANGUS

"The Original Home of Bandoliers"

These top sires

BANDOLIER 61 OF PINEHURST

By Bandolier Belmar 53rd

BANDOLIER 4th OF BATES

By Bandolier of Prospect 24

Mated with 75 outstanding breeding cows. Young bulls, bred and open heifers for sale.

HENRY SCHMUCKER & SONS

Amana, Iowa

Farm 2 miles north of Amana on No. 149

HOMELAND

Now offering a nice selection of 1953 Heifers and Bulls. All popular families and sired by our proven Herd Bulls, headed by R. L. S. PRINCE ERIC 18th. Can also spare some cows with calves at foot. See us or write your needs.

MEIER BROTHERS

Melbourne, Iowa

Brookdale Angus Farm

"The Home of The Beldoliers"

Choice rugged bulls now offered, ready for service. Herd Bulls: PRINCE BARBOLIER, and BARON OF BORDULAC by General of Bordulac. Cow herd rich in BANDOLIER breeding, the blood lines producing top cattle. Visit farm any time.

John W. Aaman & Son, Marion, Iowa

Farm 9 mi. north of Cedar Rapids on Highway 150

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FOREST GROVE FARM

One of Iowa's best herds of HEREFORD CATTLE

Bulls in service

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By WHR Dual Mixer

FGF Pioneer Lad 15th

Champion Open Class 1951 Iowa State Sale, by Pioneer Lad 2d. Champion 1948 Iowa State Sale. Choice young bulls for your inspection. Farm 6 miles east, ½ mile south.

Herb Killian, Owner, Cedar Rapids, Ia.

PAUL WOLF, Manager

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Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for bangs. Sired by TR LARRY ONWARD 35th 6745189, son of Thorp's famous MW Larry Onward 13th. Reasonable.

JOSEPH A. SKOW — WESLEY, IOWA

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HEREFORDS

BRAEMOOR PLACE HEREFORDS

Herd Established in 1924

30 very choice rugged bulls suitable for Herd Bulls. Carlots or groups to please.

Carl H. Gocken, Atlantic, Iowa

Double AA Hereford Farm

Offers choice Registered Horned HEREFORDS, sons of GOLDEN ASTER 55th 672891. Visitors always welcome.

ARTHUR E. ADER — ROLFE, IOWA

POLLED HEREFORDS

POLLED HEREFORDS

We have some strong aged bulls ready for heavy service for sale and a fine lot of young bulls coming on for both breeders and farmers. One of the breed's best known herds.

Headed by: BATTLE MIXER, P. ANXIETY ASTER. Come look them over.

P. M. CHRISTENSEN & SON, LONE ROCK, IA

CURRAN POLLED HEREFORDS

For Immediate Sale

Choice Herd Bull prospects by CSF CHOICE DOMINO 2d. Herd federally accredited, all females officially calfhood vaccinated.

Curran Stock Farm, Mason City, Iowa

WESTHAVEN PLACE

WF Conqueress 44th

Breeding stock, both bulls and females, all ages, for sale at all times.

HERD BULLS

CAPTAIN PLATO 61st

MCV DOMINO

GPH PLUS PERFECT 4th

WF CONQUEROR 30th

Always welcome at our farm.

WESTCOTT BROS. — DENISON, IOWA

YEARLING BULLS

Good growthy Polled Hereford bulls sired by Modest C. Lamplighter 7th for sale.

ERNEST DAY & SONS — GRIMES, IOWA

10 miles northwest of Des Moines

SHORTHORNS

Good rugged Shorthorn bulls, ready for service, heavy boned with lots of substance by IMP. BEAUFORT BAYARDO and IMP. LAWTON PRIAM.

BEN G. STUDER, WESLEY, IOWA

LAWTON PRIAM

"The bull we couldn't do without"

HELFRED CONQUEST 14th

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Choice 3-year-old white bull offered. More than 95% of his calves reds or dark roans. He is by the famous roan, KILLEARN CONQUEST 28th 2547735, Dam BRIDE OF HELFRED 2434499 roan and a top cow from Helfred Farms. This bull has an impressive head, deep-bodied, smooth-fleshed and stands on wonderful set of legs; is quiet and sure. A genuine tried and proven sire; will solve your herd bull problem. Price $800 for quick sale.

LOMAS FARMS — VILLISCA, IOWA

KILLEARN MAJOR

MODERN TYPE SHORTHORNS

Buy the blood of champions

N-BAR-PRINCE

International Grand Champion

KILLEARN MAJOR

The sire of champions in the strongest competition. Quality breeding stock available.

W. C. ANDERSON & SON, West Liberty, Iowa

PLAINVIEW FARM

Choice Shorthorn Bred Heifers by MARELLBAR ENDEAVOR. Also several splendid open heifers. REASONABLE.

LEO G. SCHRANK — DANBURY, IOWA

SHORTHORN BULLS

Choice red bulls for sale, serviceable age, well-grown, ideal type, desirable quality. Reasonable. (Farm 9 miles west and 1½ miles north.)

REX WALKER — WINTERSET, IOWA

POLLED SHORTHORNS

SHADYBROOK FARMS

The place to buy that better Polled Shorthorn bull for less money, with that extra weight for age. Sired by our two herd bulls that weigh well over a ton each.

BERT A. HANSON, VERNON CENTER, MINN.

Farm 20 miles north of Iowa line on U. S. 169

POLLED SHORTHORN BULLS

10 choice bulls for sale, 6 to 20 months old by HIGHLAND EXCELLENCE and CEDARVALE SENSATION. REASONABLE.

S. B. HUDSON & SONS — KNOXVILLE, IOWA

DAIRY CATTLE

Notice—Dairy Calves. If calves are shipped or delivered on approval, full responsibility is assumed when purchaser accepts delivery. Remember calves are young, some are small, which must be considered when buying.

LIVESTOCK FOR SALE

Saddle Horses—young registered.

American Saddle mares.

Dairy bulls—Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey.

ANIMAL HUSBANDRY DEPARTMENT

Iowa State College — Ames, Iowa

TOP QUALITY

Holsteins, Guernseys, Brown Swiss.

All ages. Priced right.

J. M. McFarland, Watertown, Wisconsin

Wisconsin Holstein-Guernsey

Dairy heifers shipped to you on APPROVAL from WISCONSIN high production herds. Don't be misled, buy direct. Ask for FREE price list.

OTTO VANDERBURG, NORTH PRAIRIE, WIS.

SELECTED DAIRY HEIFERS

AND CALVES

from nationally known America's Dairyland sold on approval. Write for free information.

GREENWALD BROTHERS

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WISCONSIN'S GOOD QUALITY

HOLSTEIN AND GUERNSEY DAIRY HEIFERS AND HEIFER CALVES

Any age. Will deliver any sized order on approval by truck.

ROSS BLOTT, Box 527, MUKWONAGO, WIS.

WISCONSIN HOLSTEINS AND GUERNSEYS

CHOICE COWS, HEIFERS AND CALVES

Delivered on approval.

JAMES E. WELCH, R. 1, MUKWONAGO, WIS.

WISCONSIN-MINNESOTA DAIRY CATTLE

HOLSTEIN and GUERNSEY dairy heifers from 350 to 900 lbs. Also springing cows and heifers. Most are from artificial breeding. A large number are calfhood vaccinated. Buy from the largest dealer in the NORTHWEST. Write or call.

LINK BROTHERS, INC., MINONG, WISCONSIN

AYRSHIRES

AYREHIRES

Good Registered Young Cows or Bred Heifers, bred to outstanding bull, to freshen this fall. Several outstanding young bulls from top producing cow families. Calfhood Vaccinated and Bangs Free. Over 15 years of breeding. (Farm 2 miles south, 1 mile east of Raymond, Iowa.) (Phone 4-9292.)

MATT LAVENZ — R. 1, JESUP, IOWA

HOLSTEINS

HOLSTEINS FOR SALE

MONTH OLD FOUNDATION HEIFERS.

Tested. Delivered your door collect. 50 or more on hand. Inspection invited.

GLENN CLARKE, Rt. 10, SO. ST. PAUL, MINN.

HOLSTEIN HEIFERS

We are offering the finest quality, beautifully marked heifers at lowest prices. Tested, ready for delivery. You would like these.

ED HOWEY — SOUTH ST. PAUL, MINN.

JERSEYS

JERSEY HERD AUCTION

At the Farm

JUNE 23, 1955, JOHNSTON, IA.

The entire herd—cows, calves, herd bulls and heifers. All of them sell.

Pioneer Hi-Bred Corn Co., Johnston, Ia.

J. J. NEWLIN

(See sale ad elsewhere in this issue)

MILKING SHORTHORNS

RAISE MILKING SHORTHORNS for GREATER PROFITS!

With economic conditions tightening up you NEED Cattle that have enabled farmers to put money in the bank for years and years. Milking Shorthorns are DEPENDABLE. They're made money for your Grandparents and their Grandparents before them! That's because they are the most PRACTICAL breed in existence. They convert home-grown feeds and roughage into milk, meat and butterfat most economically. Milking Shorthorns are BIG, STRONG, RUGGED. You get 4% milk and greatest salvage value of all milk breeds. Their TWO-WAY bargaining power plus greater saleability of calves means greater security under ANY world conditions. Subscribe to MILKING SHORTHORN JOURNAL now! Published monthly. Only $1.00 for six months, $1.50 for full year, $3.00 for three years. Send money TODAY or write for FREE facts!

FREE FACTS

AMERICAN MILKING SHORTHORN SOCIETY

313-WFS S. Glenstone — Springfield, Missouri

MILKING SHORTHORNS

Choice bull calves, all out of R.M. Dams and Classified Excellent. Two with over 4,000 lbs. fat, actual production. Sire's Dam has 14,143 lbs. milk and 611 lbs. fat as Jr. 3-year-old. Reasonable.

SAM BENGTSON & SONS — ESSEX, IOWA

MILKING SHORTHORNS

Choice Bulls and Females. Herd sire is BARRINGTON RESOLUTE by Newlands King Arthur, out of Red Queen of London. 7 nearest Dams 13,421-640 lbs. Write or visit.

REUBEN NAAB — NEW HAMPTON, IOWA

Coming Livestock Sales

ANGUS

June 6—Hopley Stock Farm (Dispersion), Atlantic, Iowa.
June 22—E. W. Brown, (Dispersion) Laverne, Minn.
June 27-28-29—Penney & James, (Dispersion) Hamilton, Mo. J. B. McCorkle, Sale Mgr., Smithville, Mo.
Aug. 27—Otto G. Nobis & Griff Norton (Dispersion) Joint Herd, Wilton Junction, Iowa.
Sept. 14—E. W. Thompson, Sedalia, Mo.
Sept. 19—North Central Missouri Breeders, Chillicothe, Mo. Lewis Anderson, Secy.
Sept. 27—A. C. Flint, Bethany, Mo.
Oct. 21—Lazear Angus Farm, Chariton, Iowa.
Nov. 7—Cloverly and Taylormade, Maloy, Iowa.
Oct. 22—Hale Thompson, Eagleville, Mo.
Nov. 5—C. H. Nau & Son (Dispersion), Mt. Pleasant, Iowa. Sale at Columbus Jct., Iowa.
Nov. 14—Interstate Angus show and sale, Sioux City, Iowa. Dwight Tabke, Sale Mgr., Moville, Iowa.
Dec. 10—Pagemere (Jake Stimson Division) and Arlavon All 10th sale, Clarinda, Iowa.

FEEDER CATTLE

Sept. 8—Oswald Strand & Son, Manly, Iowa.
Oct. 10—Scotland County, Memphis, Mo.
Oct. 11—Davis County, Bloomfield, Iowa.

HEREFORDS

June 13—North Iowa Breeders, Masoon City, Iowa. Leigh R. Curran, Mgr.
Sept. 9-10—Western Illinois Hereford Assn., Mt. Sterling, Ill. Robert Allen, Secy., Warsaw, Ill.
Sept. 17—Clark County Herefords, Kahoka, Mo. G. R. Breidenstein, Mgr.
Oct. 1—Tomlin & Wolland, Mason City, Ill.
Oct. 5—Ralph Bramer, Murray, Iowa.
Oct. 8—John Dittmer & Sons, Lacona, Iowa. Sale at Knoxville, Iowa.
Nov. 3—Northeast Missouri Hereford Breeders Assn., Memphis, Mo. Vernon Winkler, Secy.
Nov. 5—Wayne O. Burchett, Grand River, Iowa.
Nov. 5—Orval Burchett & Sons, Grand River, Iowa. Wayne O. Burchett, Mgr.
Nov 14—Bianchi Hereford Ranch, Macom, Mo.

POLLED HEREFORDS

June 13—North Iowa Breeders, Mason City, Iowa. Leigh R. Curran, Mgr.
July 9—O'Bryan Ranch cow and calf sale, Hiattville, Kan.
Oct. 15—O'Bryan Ranch.
Nov. 9—Master Key Place, Fulton, Mo.
Dec. 5—L. J. Marzen, Marble Rock, Iowa.

SHORTHORNS

June 6—Edellyn Farm, Wilson, Ill.
Sept. 15—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Mgr., Oakland.
Sept. 24—Hawkeye Downs 5th sale, Shorthorns and Club calves. Earl S. Girton, Sale Mgr., Vinton, Iowa.
Nov. 5—13th Semi-Annual Central States show and sale, Oskaloosa, Iowa. C. Emory Stewart, Sale Mgr., Rose Hill, Iowa.
Nov. 7—L. E. Mathers & Son, Mason City, Ill.
Nov. 12—Western Illinois Breeders, Macomb, Ill. Don Longley, Sale Mgr., 16 S. Locust St., Aurora, Ill.
Nov. 14—John Combs, New Market, Iowa, and Tip Lucas and Son, Lenox, Iowa. Sale at Lenox, Iowa.

POLLED SHORTHORNS

Sept. 9-10—Western Illinois Hereford Assn., Mt. Sterling, Ill. Robert Allen, Secy., Warsaw, Ill.
Sept. 15—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Secy.-Mgr., Oakland, Iowa.
Sept. 16—Hawkeye Downs 14th sale, Cedar Rapids, Iowa. Earl S. Girton, Sale Mgr., Box 452, Vinton, Iowa.
Nov. 2—Missouri Breeders, Sedalia, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Mo.
Nov. 16—Iowa State sale, Des Moines, Iowa. Wayne A. Carr, Secy., Cincinnati, Iowa.

DAIRY CATTLE

June 7—Mid-American Regional Jersey sale, Waterloo, Iowa. Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
June 23—Pioneer Hi-Bred Corn Co., Jersey Dispersal, Johnston, Polk county, Iowa. Ivan N. Gates, Sale Mgr., West Liberty, Iowa.

MILKING SHORTHORNS

June 7—Minnesota Milking Shorthorn Breeders, Benson, Minn. Clarence J. Voehl, Secy., Lakefield, Minn.

DUROCS

July 28-29-30—National Duroc Congress, Type show, Barrow show and sale, Cedar Rapids, Iowa.

TAMWORTHS

June 8—G. W. Evans, Grand River, Iowa.
Aug. 5—(Night sale) Paul Paetow, Andover, Iowa, and Harold Eckermann, Rt. 3, Davenport, Iowa.

LANDRACE HOGS

July 16—Albert & Martin Clark, Kanawha, Iowa. Sale at Mason City, Iowa.

YORKSHIRES

July 29—(Night sale) Warren Dankel, Glidden, Iowa.
Aug. 5—(Night sale) F. L. Jackson & Sons, Lytton, Iowa.

SHEEP

June 15-16—Eleventh Annual Midwest Stud Ram show and sale, Sedalia, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Mo.
June 20—American Suffolk Stud Ram and Ewe sale, Oskaloosa, Iowa. Max Browneller, Secy., Rose Hill, Iowa.
June 21-22—National Corn Belt Stud Ram show and sale, Des Moines, Iowa.

HORSES

June 16-17—Orient Pony and Horse sale, Orient, Iowa. Harold Killion, Sale Mgr., Greenfield, Iowa.

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Vaccinate Only Healthy Pigs

The American Veterinary Medical Association issued a strong warning to the nation's swine producers against vaccinating pigs for hog cholera when they are in poor health.

Serious trouble can follow vaccination if the herd is not in proper condition, the AVMA says. The herd should be examined by a veterinarian because even healthy looking pigs may be heavily infected with parasites or suffering from other disorder.

In such cases, the herd should be treated and brought back to health before an attempt is made to immunize them against hog cholera.

Cows On Pasture Need Grain Too

Even cows on pasture need grain, or hay, or both to maintain economical production, C. D. McGrew, Ohio State University dairyman, says. High water content of pasture makes it impossible for high producing cows to eat enough of it to get the nutrients they need.

Cows on lush pasture tend to milk heavily and lose weight, he says. While that returns more profit at the time, it's robbing the mid-summer bank when cows need extra body reserves.

Dairymen can mix grain to fit the supply of each they have on their farm, the specialist emphasizes. Feeding tests in Ohio show little, if any, difference in production as corn, wheat and oats are varied in the grain ration. Most Ohio farms, however, use about three parts corn to one part oats, he adds.

Ninety percent or more homegrown grain in the grain mixture is satisfactory for cows on spring pasture. Later in the pasture season, it will pay to add more protein supplement to grain mixtures — approaching the winter feeding mixtures.

Condition of cows and their production are the best guides to grain feeding rates. Shrinking waist lines and prominence of bones are indicators of weight losses and show the need for more dry feed, McGrew says.

Low Cost Storage In Hay Mows

Hay mows are still one of the lowest cost ways to store top quality roughage, says Kenneth Battles, Ohio State University agricultural engineer. Many farms already have ample mow space. By adding hay drying equipment, they can produce quality hay at low cost.

Battles advises farmers to make good use of present storage space before adding more storage. Hay driers, silos and dehydrating equipment all add to quality and amount of roughage that can be handled on a farm.

Barn drying and ensiling are about equal as methods of preserving the feed value in a meadow crop. Both silage and barn dried hay contain more leaves, better color and less dust than field cured hay. Barn dried hay requires about the same space as silage on a dry matter base.

Heat and danger of fire and spontaneous combustion are eliminated when a hay drier is operating. Driers also permit more efficient use of labor since hay may be handled in damp weather, and there is less time lag between mowing and hauling to the mow. Driers may be used with baled, chopped or loose hay.

Driers use about 35 to 90 kilowatts of electricity per ton of hay. At two cents a kilowatt, that costs 70 cents to $1.80 a ton.

Dehydration produces the best quality hay, but it is not practical on most midwest farms. Initial cost of dehydrating equipment is $8,000 to $15,000. Dehydrators increase labor requirements too.

When you hitch your tractor to an implement, your place is on the seat and not between the tractor and the machine.

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Poland China	21,758	Minnesota No. 2	505
Berkshire	21,437	Incrosses	306
Chester White	19,515	Beltsville No. 1	153
Yorkshire	17,243	Maryland No. 1	110
Tamworth	8,809	Ky. Red Berkshire	101
O I C	3,653	Beltsville No. 2	55
Hereford	2,261	San Pierre's	55

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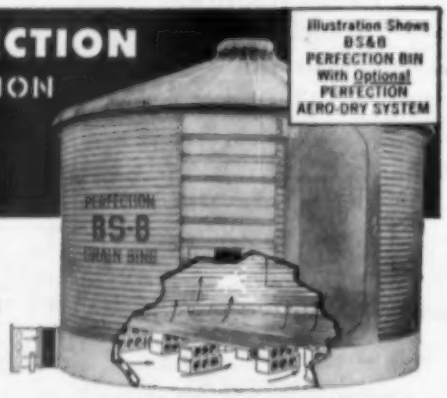

Illustration Shows BS&B PERFECTION BIN With Optional PERFECTION AERO-DRY SYSTEM

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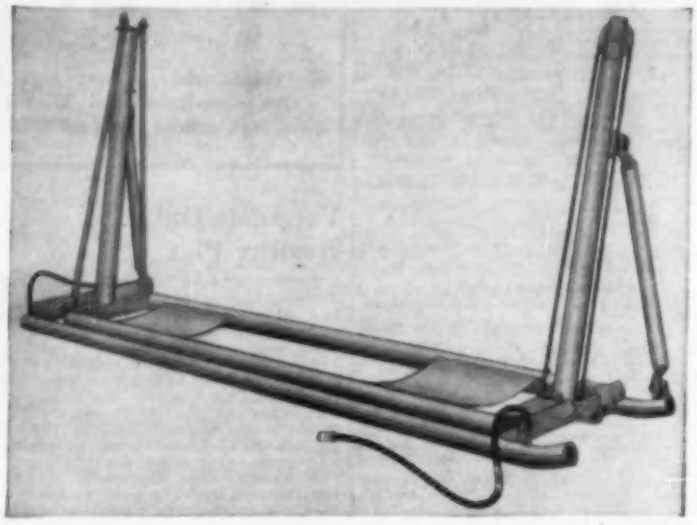
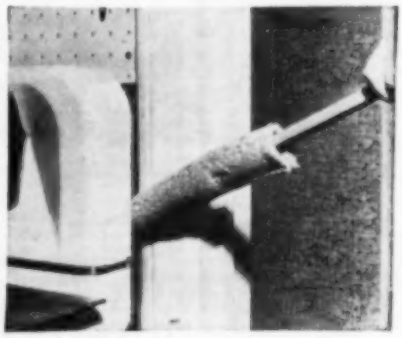
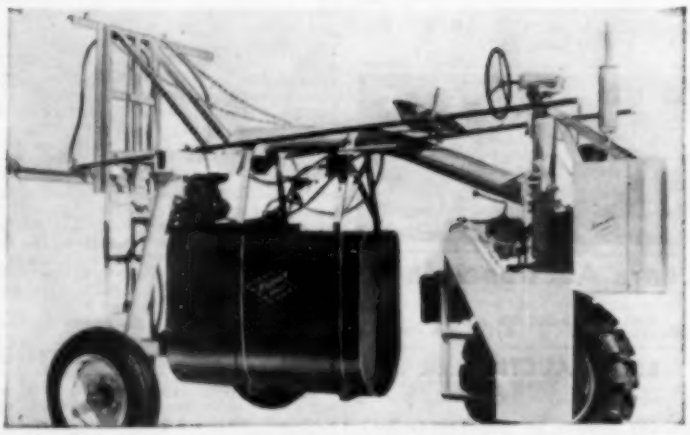


Hydraulic hoist is portable. Uses hydraulic power from tractor. "Tilt" design maintains dumping position. Made by Standard Engineering, Inc.



Sponge Reach-All is 18 inches of sponge on a 10-inch handle. Designed to clean hard-to-reach places such as behind stoves, refrigerators, etc. Also recommended for cleaning venetian blinds. Made by Jamick Manufacturing Co.

Round hog feeder has room for 10 large hogs. Holds 25 bushels. Rain shields and flanges on the lids help to prevent wet feed. Cone center makes feed flow into individual troughs. Wooden skids make the feeder easy to move from one place to another. New feeder is made by Oakes Manufacturing Co., Inc.



High clearance sprayer has 25 HP driving motor; 3.6 HP engine for driving sprayer mechanism. Six models with choice of engines and boom lengths are made by O. W. Kromer Company.

Big corn in early June indicates certain maturity for the crop. But it means little about the size of the corn crop. That's made by timely rains in July and August.

What's Ahead...

HOG PRODUCERS can expect rising prices for a short period ahead. Then heavy supplies of hogs and lower prices for the latter half of this year and the first half of next year. Let's look at immediate prospects, then further ahead.

Homer Hush

THE SUMMER decline in hog receipts and rise in prices started in May. It will continue this month. Iowa reports indicate June marketings at last year's low total. But storage holdings of pork are up. So the summer price rise in hogs will not equal the usual increase of about $4 from spring low to summer high. The fall downward price trend will begin early again.

Early pigs should be crowded, as usual, to hit the market ahead of the break.

SPRING PIG CROP going to market after July will be five to seven percent above last year, according to all surveys. A recent Iowa report says April farrowings were eight percent up. Hog supplies for next fall indicate prices lower than they were last fall.

AN INCREASE in sows for this year's fall pigs seems quite sure. In the past, farmers have not reduced sows for fall pigs unless the corn-hog price ratio was less than 12 to one at sow breeding time. The March to July price ratio will average more than 12 to one this year. So an increase in fall pigs is indicated.

The June Pig Crop Report, available the last of this month, will give information on the spring pig crop and farmers' intentions to keep sows for fall pigs. If the report shows the expected increase in fall sows, plan your hog raising operations on big hog supplies and low hog prices until the winter of 1956-1957.

COW SLAUGHTER for the first quarter this year indicates a downward trend in cattle on farms and ranches. Number killed was 10 percent above first quarter figures for last year.

No scarcity in cows is indicated, however. Cow totals January 1 were highest of record, about two million above two years before.

Continued heavy cow slaughter thru this year would mean big supplies of cheap beef on the markets. And a somewhat smaller calf crop next year.

CALIFORNIA FEEDERS may offer some competition to Corn Belt farmers for feeder cattle this fall. West coast barley supplies in government hands will be offered feeders at new support rates after July 1. That will reduce barley prices 24 cents per bushel.

California feeders increased cattle feeding 54 percent from April 1, 1954, to April 1, 1955. Another increase is likely.

Around the Farm AND IN THE Feed Lot

by E. A. KELLOWAY

AN IOWA YOUTH is the recipient of one of two national scholarships given by the American Guernsey Cattle Club. He is Herbert Kelso of Russell, the son of Mr. and Mrs. Samuel Kelso. As a part of his training, Kelso is to work this summer in Indiana to learn big dairy farm operations. A freshman at Iowa State College, he's one of two persons there ever to receive the award. The other national award this year goes to Keith Frey, Illinois University freshman dairy student.

BETTER MANAGEMENT, including better feeding, and better chickens have brought a 14% boost in Iowa egg production in the last 10 years, coming from the same number of hens. Production per individual hen in 1944 hit 148 per year while last year saw an individual output of about 200 eggs per hen.

HOW MUCH FEEDER SPACE do your chickens need? If your birds are 7 weeks or older, you should allow 300 linear inches of feeder space for each 100 chickens, according to the experts. Another good management tip—you can save money and get better results with Walnut Grove's "4x4" Poultry Balancer fed "cafeteria-style" with your home-grown grains. Or, if you prefer, make your own mash with "4x4" Poultry Concentrate and your grains. Either way, you'll pay less "out-of-pocket" cash for feed. You'll get top egg production, too. Anton Nelsen, Brayton, Iowa, fed "4x4" to his flock of 300 layers last year. They hit a peak of 270 eggs per day (90% production) during November and averaged 83% production for the next six months.

A GOOD WAY to control poultry mites, says W. R. Whitfield at Ames, is to screen all windows, doors and ventilators of chicken houses with one-half to one-inch wire mesh. This will keep out sparrows and other birds which often carry mites. Close inspection is a good way to check for the mites. Another is to watch birds and if they're reluctant to enter the house and have a tendency to roost in trees, mites may be present in the chicken house.

JUNE DAIRY MONTH brings to mind a recent report, a 'pearl of bovine wisdom," expressed a while back by E. E. Anderson of New Mexico's A. & M. College. To encourage cows to give their all, he advises rattling milking equipment, passing the feed or turning on the radio at milking time. Some cows are easier to persuade to cooperate than others, but they still must be in the proper frame of mind. The dairy farmer must know and practice good cow psychology, he concludes.

BOTH DAIRY FARMERS and beef raisers should remember another important point this summer. Pasture grass alone will not do the job, because grass in one-third fiber—wasted roughage unless the rumen bacteria in your animals can convert the fiber into usable feed. Adding grain to the ration won't solve the problem—you need a good supplement like "4x4" Dairy Sumix or "4x4" Beef 25. They are specially-designed to make roughage usable—give you maximum production at low cost. With small amounts of "4x4" Supplements each day, the bacteria in your animals can turn that wasted grass fiber into high-grade feed.

PIGS ON PASTURE bring thoughts of sanitation. Veterinarian Dr. Maynard Spear, Iowa State College, has reminders on using clean ground. This reduces chances of infection from diseases and parasites living in contaminated soil. But the purpose of the whole thing is defeated when infected pigs go on clean ground. Spear also urges that plenty of water be available at all times. Lack of water causes cells in the pig's body to dehydrate, weakening the normal body defenses of the animal.

EVER HAVE 50-pound pigs that gained almost 1½ pounds each day? Well, a recent test at the Walnut Grove research farm, using "4x4" Hog Grower, did just that. In one 28-day test, 50-pound pigs gained an average of 1.44 pounds per head per day—and put on 100 pounds of pork with only 267 pounds of total ration! That's why hog raisers who want to market their spring pigs in late July or August—when the market hits its summer peak—are switching to "4x4" Hog Grower. They know Hog Grower means bigger daily gains—better feed conversion—and more real economy.

NO JOKE . . . they're really starting to fit sheep with jackets and plastic coats. For protection after shearing, some Southwestern ranchers have used coverings for their sheep variously described as jackets, coats, blankets and rugs. The idea, of course, is to prevent dirt penetration and other damage to the fleece. In experiments, one group of animals was even sprayed with a plastic coating.

WATER MAKES CROPS. This was forcefully brought out a while back by Assistant U. S. Secretary of Agriculture Ervin Peterson. He says it takes 10,000 gallons of water to produce a bushel of corn, an estimated 200,000 gallons to grow a ton of alfalfa, and 7,000 gallons to produce a bushel of oats. And, to make the average national corn crop of 3 billion bushels, some 30 trillion gallons of water would be used.

WHY IS Walnut Grove the fastest-growing feed manufacturer in the corn-belt? We asked some of our new customers why they switched to Walnut Grove. The answer we got most often was "recommendations from neighbors who tried "4x4" and got outstanding results." Such recommendations are the result of the constant research and checks on quality that are a part of every "4x4" product. Walnut Grove maintains a 240-acre Research Farm near Atlantic to "field-test" every new feeding development for value in your farming operation. At the plants, scientists check every ingredient and each stage of manufacture to make sure that all "4x4" products meet the highest standards. Why not stop in at Atlantic and see how much care we take to be sure that our customers get the best possible results?

MASTER SWINE PRODUCER nominations can be made now. Regular channels will handle the nominations if you'd like your friend or neighbor entered. Sponsors say producers' names may be turned in by anyone and should go to the Animal Husbandry Extension Service at Ames, or to the Iowa Swine Producers Association, State House, Des Moines.

Walnut Grove PRODUCTS CO., INC.
HOME OFFICE • ATLANTIC, IOWA

MAKERS OF "4x4" COMPLETE SUPPLEMENTS

"4x4" Hog Supplement
Baby "4x4" Creep Sup.
"4x4" Mazmelk
"4x4" Beef Supplement
"4x4" Dairy Supplement
"4x4" Super Calf Sup.
"4x4" Starter-Grower
"4x4" Poultry Balancer
Walnut Grove Minerals

Only SWEET LASSY® does all these jobs well!

IMPROVES DIGESTION
—helps cattle get more good from *all* the feed they eat by stimulating the growth and activity of RUMEN BACTERIA.

INCREASES WATER CONSUMPTION
Rich in thirst-making molasses sugars, cattle on SWEET LASSY always drink lots of water which is your cheapest source of gain.

INCREASES APPETITE
Cattle crave the rich molasses sugars in SWEET LASSY. As a result, they eat more, gain faster at less cost.

MAKES FARM FEEDS GO FARTHER
SWEET LASSY supplies many nutrients lacking in most farm feeds. Cattle get better nourishment . . . feed costs are reduced.

No other Supplement gives you Faster, More Economical Gains or Better Finish

Cattle must get every ounce of good from the feed they eat if you are to make a profit on your beef. One way you can be sure is to add SWEET LASSY to your ration.

SWEET LASSY is rich in molasses sugars, quality proteins, cobalt and other special nutrients that not only balance out your grain and roughage but step up the action of the rumen bacteria.

These friendly bacteria break down the cellulose and fiber in farm feeds and make it easier to digest. As a result, cattle get more good from the feed they eat. They pile on pounds faster. Take on a smooth prime finish that commands higher prices at the yards.

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Put SWEET LASSY to work for you today! Get those EXTRA GAINS and finish that mean bigger beef profits. See your dealer for a supply. Remember, only SWEET LASSY gives you 4-way better results. Always ask for it by name.

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